

Wells River, Vt., Apr. 9, '04.

Mr. G. E. Davenport,  
Dear Sir, —

Please excuse this delay in acknowledging the receipt of the specimens. You certainly are very kind to send me so much, — specimens, prints and printed matter, — and I feel especially grateful. I am glad to be in touch with some who knows something. Somehow at first I little thought I was writing to the Davenport whose name I had seen.

In my early years of fern study I sent more than once and in different ways to have something determined, and was often surprised and almost discouraged and disgusted at the results. They certainly showed much lack of real study as I have since learned by observation and study some of the

things I wished to know.

I remember sending a few of the Botrychium group and they all came back labelled var. obliquum. I had included what I now know to be var. intermedium (of the Ternate Grape Fern) and what I then knew was not obliquum.

I confess that I am puzzled with the Ternate Grape Fern <sup>and</sup> all its varieties. Some say it occurs here, and some not. I mean the real ternatum.

I am very glad of the specimen of the new fern <sup>var. Pittsfordense</sup> and very much wish I could know soon something about it. I would send it at once for the Apr. number of "Rhodora", but do not know as it will be out. You call it a hybrid - between what? When was the fern found? <sup>what</sup> <sup>habitat?</sup>

I am getting something ready for publication and would like

to mention it. My manuscript must go to press there.

I am anxious to get at my roots of cristatum x marginale, if roots there are. I wrote you so very hurriedly that I did not express myself very clearly, in writing of it. The fronds were clustered, but whether there were several roots I know not. I am inclined to think there were two at least. The narrow, seemingly abnormal fronds, were noticeable and what first attracted my attention to the plants, which if I remember correctly were separated by a few feet. I do not remember any cristatum or marginale near it, but only have remembrance of Polypodium near by. Shall investigate

before very long.

One question which will display ignorance, but you labelled it - "forma Davenportii". Is this the same as a variety?

What number of the "Rhodora" contains notice of it?

One more question. If I find two or more roots of that erectata ~~x~~ marginalis when will be the best time to take up a root for you?

Your idea of the specimen sent you labelled a weak form of Silvery Splenwort, is the same as mine.

Also the fragment of the fern which you thought resembled a florist's form of



the Lady Fern. This was one which was returned to me once, labelled *Aspidium spinulosum* var. *intermedium* and I was not satisfied. If I can find it again I will send more specimens.

The *cristatum* \* *marginal* I will send specimens of later. Unfortunately I did not secure much of it.

I am writing very hastily and trust you will excuse. and I may as well say that I am getting out an illustrated (fully) field book, and they are harassing me for the revised manuscript. Trusting for a reply soon, I remain  
Respectfully, Helen Eastman

Wells River, Ct.

Apr. 18, 1904.

Mr. G. E. Davenport,

Dear Sir, —

Please excuse

this delay in acknowledging the receipt of the magazine, "Rhodora". I enclose stamps for same. I was very glad of the magazine and very glad also of the privilege of including the new fern in the little field-book, thus bringing it up to date. It will not be out for some time yet. Your print of <sup>a specimen from</sup> the new form of the *Spinulose Wood fern* - var. *Concordianum* was also very acceptable, <sup>my gift aided in my description.</sup> Your specimens and hints all around have been so timely that if you do not object I think I ought to acknowledge it in my preface, ~~if you do not object.~~

I kept calling that the Crested Marginal fern (*Forma Davenportii*) or rather I should say a form of

it. You called it a crested marginal  
and I had not really looked at  
your naming, only glanced at  
it. Think when I really came to  
look at it I should have dis-  
covered my mistake. However I  
thank you for making the cor-  
rection. I thought very strangely  
that it could be called a form  
of the cristatum x marginalis.  
But thought that it should be  
a crested form of the marginalis.

I am hardly able to walk to  
the fern roots now, but one  
season is later than with you  
so perhaps it will not be too  
late a little later.

I do not know as a  
book like mine will meet  
with the approval of one so  
far advanced in the study  
of ferns as yourself. But  
somehow I have seen the need  
of an illustrated field-book  
suitable for the beginner.  
If illustrations are ever needed

it seems to me they are for the novice. No one can ever advance in the study until they have commenced, and not a few become discouraged at the outset by the multiplied forms and difficulties to be encountered. I feel that my work paves the way for those more advanced. I have endeavored to simplify the botanical part, and bring out clearly the distinguishing points of difference between species resembling each other.

My illustrations are by an entirely original process by my brother and myself, and while they are not at all artistic, I think they will prove a help and show fine points.

Apr. 22<sup>d</sup>. I had written thus far, (at different times, for my eyes trouble me) when my manuscript was returned to me for a little revision, and to my

surprise I found it had been submitted to you. I was very glad to make the corrections, - one or two of which were a slip of my tongue in dictating another to write for me. I am also pleased at your favorable opinion of the book. You noticed in the preface my note of indebtedness to you. I inserted it thinking if you objected, I could easily have it crossed out.

One more point in your suggestions I will speak of. You wondered where I could have gotten my idea of the Common Blake not being a native of America.

I cannot certainly tell, but I think it was from W. N. Clete. I saw it somewhere and it was from one whom I thought was good authority, so I noted it and spoke of it. I wondered about it, the fern has become so very common.

I had doubts as to the use of

term "pteridophyta," but somehow I forgot the simplicity of my book.

I do not know whether I am going to be able to continue my botanical study or not. Last Aug. I was prohibited from using my eyes at all for such work, and even from reading for awhile.

If your patience is good you will receive the fern root sometime.

Trusting that you will excuse this long delay, which was unavoidable, I remain

Respectfully,

Helen Eastman.

P.S. I should like to subscribe for "Rhodora," but my means are limited. I have been in poor health for 11 years, consequently had to give up - or nearly so - my business as an artist.

• I suppose the firm settled

Note. - I never knew my father to  
receive money for any revision of his manuscript  
- 6 -  
of George Bancroft.

with you for your trouble with  
my MSS. but I wish to thank  
you most heartily beside for  
your consent to do so with  
your eyes troubling you. I  
am sorry my writing was so  
mixed up in it, and I should  
have re-written some parts if  
my eyes would have allowed.

I noticed you marked a  
*Lycopodium* which I sent  
- *L. obscurum monostachyon*  
but I suppose it the  
same as the old naming  
var. *dendroides*. If not  
please drop me a card.

I will close once more.

Y. H. E.

11

Wells River, I.

May 17, 1904

Mr. A. S. Sargent.

Dear Sir,

I see you

know how to economize space,  
so as to be acquainted with  
the use of pencil for the same  
purpose, I make no apology.

Your letter was received Sat.  
morning, and my team was  
standing in the yard for me to  
go to get that fern. With that  
same mail came a lot of  
proof sheets which have delayed  
the sending of the fern roots.

But at last I have them  
ready. I found several, so



enclose under separate cover  
with this mail three roots  
of what you termed some  
Disenfranchisement of the marginals.

They may all turn into  
the marginal, but I did  
the best I could with the  
limited number of fronds  
I had. I broke off none  
but simply laid them back  
before rolling in paper.

Hope they will reach you  
safely and prove well.

As to the change in the  
name of Mass. fern, I  
shall be very glad to change  
if it is not too late. I

expect to hear to night.

I note it once about it.

Many thanks for your good wishes and all your kindnesses.

My eyes still trouble, and I have to be so careful with their use in correcting proof-sheets, that I expect something wrong will creep into the book. My powers of observation are very apt to be late, especially so with poor eyes, for I do not like to concentrate my sight long. (This sentence is poorly expressed but I think you will understand.)

One more - ever I wish  
to ask. I enclosed many  
back with the ferns a  
sterile stem of a Horsetail  
which you named arvense  
but it is not like that  
which I have always called  
arvense, a blue print of  
which I enclose.

I had associated this  
sterile one (which I will  
also enclose) with the fertile  
Wood Horsetail (Equisetum)  
but am not sure they belong  
together. This is why I  
wished it identified. Now I  
will not trouble you to

return the specimens, &c., but simply give me the same name of the sterile stem which I enclose; and if my blue print is not labeled right - correct it (not returning if you just mention blue print (the plant I have labeled *arvensis*).

One thing more I wish to speak of. C. H. Morse who has had my *Moss*. to criticize, &c. called my mode of illustration the "Blue-Print process", but I wish it distinctly understood that it is not, but an entirely

original process by my  
mother. It is not  
artistic, but it does ring  
out fine points very clearly,  
hence I have made it.

Thanking you in advance  
I remain

Yours respectfully,

Helen Eastman

11

Seabrook N. H.

May 4-98

Dr. Geo. E. Davenport.

Dear sir:

I at last have a  
 authority  
~~Chance~~ to write about the B. & T. meet-  
 ing. I understand you have consented  
 to assist. If not, I wish you would,  
 as you are on the ground and know  
 more about the management of re-  
 s. this kind than I. I should have  
 kept out, but no one else seemed to  
 care to go ahead, so I got waters to appoint  
 me. We can't let such a golden opportunity  
 slip.

Clute suggests a program as  
 follows:

Address of welcome.

Reply for Fern Chalk of Fern Rock

Reading of letters from absent members  
Presentation of papers by speakers present.  
" " " absentees. Discussion

Question Box &c.

Adjournment.

The first would probably devolve on you. The second on the presiding officer, which will come dangerously near me, unless I can persuade Waters to attend, which at present he does not seem inclined to do.

I should expect a paper from you besides.

Would it be well to have a 1st meeting the same day, and if so, what is the most interesting locality?

This is not intended for Chapter people only. Anyone who cares particularly for ferns is welcome, and I shall try to get some contributions outside of our ranks.

I hope you will be able at least to look out for a room and if you need assistance on the spot would suggest F. S. Floyd, Room 23, Old Court House, who, tho' not deep in botanical lore, appears to be much interested. I am also very thankful for advice.

Very sincerely

A. A. Eaton



Seabrook N.H. 6-12-98  
Dr. Geo. E. Davenport.

Dear Sir:

Yours at hand  
duly. I am glad the thing is coming  
into shape. I enclose list of mem-  
bership, since augmented by 5 or  
6. I have nothing definite as to num-  
bers who will come, and shall not have  
for some time; but I should judge  
about 40. Being on the ground,  
you can arrange the date. If possible  
do it so I can put it on circulars in  
about a week. If you can, <sup>it</sup> will be well  
to have it come when no kindred meeting  
is on. You can have it either A. M. or  
P. M. If you think proper, have it  
put on the Catalog.

I hope you may be able to give  
us a short paper. While I don't wish  
to circumscribe you in any way,  
I think an article on hybridity of ~~these~~  
ferns will be as instructive and will  
bring out as much discussion as any-  
thing. I am "agnostic" myself, taking  
in all for or against and weighing it.

I have <sup>concluded</sup> ~~decided~~ *Equisetum litorale* is  
not a hybrid.

Seabrook R N.H

Aug. 4 - '98

Dr. Geo. E. Davenport.

Dear Sir:

Yours at hand  
today. The arrangements  
are perfectly satisfactory.

I am not sure but from 9 1/2  
would do, but time must deter-  
mine. I do not expect a very  
long program, nor do I desire  
one so long as to be tiresome.

I have 5 or 6 papers promised, in-  
cluding one from myself, which  
I am not sure of presenting.

Some of these are short, the  
longest of which I heard from being  
20 minutes. I think we can  
safely allow half time of presen-  
tation for discussion, which I  
hope the papers will bring

out, and <sup>2</sup>which will open our  
eyes to new investigations. Allow-  
ing one or two more papers to come  
in will give nearly 2 hours for  
this part, which is long enough.

I am counting on the outing for  
the P.M. starting at the time the  
Comm. sets. I shall try to time  
the program to end at 12.

I am embarrassed in getting  
out programs by the dilatoriness  
of Clute's printer. I supposed  
I had blanks & circulars, and  
I waited 2 weeks. Then a postal  
to Clute brought them. I shall  
have to allow about 10 days to hear  
from western members, which  
will give programs a week  
before meeting.

I fear Mr. Dodge won't be able to  
attend. He is working overtime  
at present. I have not seen  
him this summer, but he is

before long. <sup>3</sup>

I hope you will be able to prepare that paper, as I am interested in this subject, and would like your views; and I know of others who are taken the same way.

Hoping to hear of an improvement in your health

Very sincerely

Elvah A. Eaton

Mrs. Britton will bring her collection of *Chloroglossum* for us to see, and suggests you be invited to do likewise. I have recently added some odd forms to her collection and it seems the whole thing is in a state of chaos. I should be happy to know you will exhibit your specimens. Sincerely  
Eaton

H.

Seabrook N. H.  
Aug. 17-02.

Dear Mr. Diverlorf.

Marked copy of  
Proclara at hand. While I am  
not specially interested in how the  
nomenclature question is settled, it  
being ~~more~~ necessary to have rules for  
the future than those of the past, it seems  
to me that Underwood's position is  
utterly untenable, and that you  
have done us a great favor in  
preventing the change he advocates  
in a recent article, making nephro-  
dium mean something entirely dif-  
ferent.

So far as I am able to say, Gilbert  
was first in America to open a tan-  
gible way to get out of the Dryok-

teris quondam, at the Boston Meeting: and I seconded his suggestions as to what his paper was to be with enthusiasm. "The closely related, the genus is too bulky" all sub-genera of the old form are so regarded.

I hope Underwood is alone in the absurdity of taking the first species under a genus as the type. This is priority run mad. It seems to me nothing will kill the reform movement more surely. What we want is absolute fixity of names, rather than absolute justice to authors. And the system that gives that most nearly will be the system that will do the most good. One is inclined to think many of these changes are made to bracket the real author and add the

Name of the nomenclature student.

I notice that Bailey's Dictionary of Horticulture is on "reform" lines. He uses *Deomstaedtia*, *Dryopteris* &c. He issued it with the idea that all changes had been made and a unifying existing names among horticulturists. But see the changes that have taken place in plants and what a vast amount of change there will be when the rules are applied to other plants and have been all worked out by some phanogamous Underwood!

Let us hope the thing will never be done.

Thanking you for your favor

I remain

Very sincerely  
A. G. Eaton



✓ Seabrook N.H.  
Oct 30 - '92

Mr. Josiah Devanport;

Dear Sir:

I am contented  
with the material of my edition  
of the Primer for the assistance  
which you will be sure my students  
in the Primer will be sure to  
find in my Primer of the  
world, which I have fairly well  
in hand. I write to ask  
if I may use your name  
as a reference.

You can consistently  
allow it, you will confer a  
great honor upon

Yours sincerely,

C. C. Cabot

Sept. 1 - 1889

Dear Mr. Davenport:

Yours of yesterday arrived tonight. The *Isotria* is *echiniaspora* var. *Braunii* and appears as near typical as one often gets. These varieties of *echiniaspora* show well the errors one is liable to fall into when taking up a variable species without knowledge of the facts, and on meager specimens. Not only are *Braunii*, *muricata* and *Boottii* not distinct, but it is very questionable if more than one variety should be allowed, and *Boottii* will have to pass anyway. Yet I feel sure Du Roi considered from the few specimens he received, that they were all right.

I can find no stopping place between *muricata* and *Braunii*, tho' the extreme forms are distinguishable nearly always, by leaf-characters that are easily and immediately recognizable to one who has studied them thoroughly, but would be confusing to the amateur if reduced to words.

X Poor Wendt! I feel his loss keenly, for he was a friend to me, who, out of the magnitude and wholeness of his soul had befriended me, with no other reason but his innate love of his fellow man and predilection to do good; and I had no opportunity to repay his kindness. Thus I feel that floating on the sea of things that are as a plank of philanthropy, released by him, but which I may guide to the aid of some other poor needy mortal, and thus pass on Wendt's

dist. From the account I saw in The Newburyport  
paper he met his death simply by indiscreet curiosity.

I have thought you might like some specimens of  
Florida ferns I collected, and have intended to take to  
Mr. Ames about sending you some. He is not here today,  
but will be willing I am sure. If so I will send some  
on soon.

Very sincerely

G. G. Eaton

X

Sept. 17, 1905

Dear Mr. Davenport:

While in the woods today I came across a fern that has most of the characteristics of *cristata* & *Marginalis*. But is sufficiently different to warrant sending you some fronds. The chief difference is <sup>in</sup> the indusium which have much the aspect of *Boottii*, being firm even now, and the centers <sup>are</sup> granular as in that species. The aspect is somewhat of that also, and the fronds carry themselves more erect and are rather more alternate at base, and the pinnae are vertical to the plane of the rachis (tho this may be owing to exposure.) I am speaking from memory, my specimens being tied up and inaccessible at present, but I have grown it for several years at Seabrook.

I have seen several forms, indeed, no two exactly match, so far as my experience goes. Allowing *Boottii* to be capable of hybridizing (I believe it is always sterile & this) might be <sup>more</sup> easily a hybrid between *Marginalis* & that than *Cristata*, judging from present companions. There are several roots of *Marginalis* and many of *Boottii*, while I saw no *Cristata* nearer than 200 ft or more (tho it might exist). There were 6 large plants from one original, of which I took two. The rootstock of one has three smaller ones, I think.

would like your opinion of it.

Very sincerely

C. C. Eaton

THE AMES BOTANICAL LABORATORY,  
NORTH EASTON, MASS.

Sept. 26-1905

Dear Mr. Davenport.

Just returned from a week in New Hampshire. Very sorry your eyes prevent your studies on the ferns. It must be very trying. We go to Europe (Mr. Ames, Sewitt and I.) two weeks from today, if we can get ready, & compare up some European types of orchids, determine some of ours etc. Would be very glad to see you out, but if you like I will send in the mounted *Chaptalia* ferns for you to study, also any of my own that are available. Mine, as I think I wrote, are rather chaotic at present. I hope to straighten them out this winter.

Mr. A. spoke of the very interesting specimen hybrid you are working on.

I think I told you, but am not sure, that I got *Schizaea pinnula* in Fla. I also got a *Nephrodium*, very near *peters* in appearance, but with erect caudex and very chaffy stipes, the anterior basal pinnulae enlarged and appearing like miniature fronds. Have nearly root found growing in greenhouse. Not *Molle*, as understood by comparison

with greenhouse specimens, *rupestris* patens. I sent  
a friend to Maxon, but he hasn't reported. Will remember  
you when it can spare another friend.

I hope you can come out, if not now, when we  
return. The Chapter specimens are now at my home,  
as we are crowded here. Will be glad to see you there  
at any time, for as long as you can stop. We reunite  
at Lab. at all times.

Very cordially

A. G. Eaton

New Haven.

Nov. 20, 1873

My dear Sir -

I send separately by  
mail a plant of *Botr-*  
*ternatum* which comes  
so near the original form  
from Japan, that you  
may call it typical if  
you like. The other ferns  
you desire I have not  
to spare. Anyone in  
England can send you  
typical *Aspid. spinulosum*.

I have never seen

am. American Botr.  
borale - & have two  
small Scandinavian  
specimens only -

I have not Mr. Peters  
address - Dr. Gray may  
perhaps know it.

Nor Mr. R. R. Scott's either.  
Mr. W. H. Leggett, 224 E. 10<sup>th</sup> St.  
New York did have some  
duplicates of *Aspl. cheuoides*.

*Aspl. myriophyllum* I rec'd  
many years ago from  
Dr. Chapman - & all I have  
is glued down in my

herbarium. I do not  
know that any one else  
has ever collected it -

Yours truly

Samuel C. Eaton

Mr. Davenport.



17  
New Haven

Apr. 9. 1874.

Geo. E. Davenport, Esq.

Dear Sir.

I should call your  
drawings *B. lanceolatum*  
+ not *matricariifolium*.

The Calif. fern is plainly  
*Asplenium Filix foemina*.

Thanks for station of the *Phegopteris*.  
Can you get that of the big  
spec. of *Botrychium ternatum*?

Yours very truly

D. C. Eaton.

New Haven, Connecticut. Nov. 11. 1874

Geo. L. Savenport, Esq.

Dear Sir,

I have your letter  
of the 9<sup>th</sup>, with ferns enclosed.

Nobody knows anything  
about *Pol. Californicum*, nor  
can know positively without  
seeing Hooker's original  
specimens. Hooker guessed  
that it was the same as his  
*intermedium*, & I guessed  
it was not - Your plant will  
do well enough for *intermedium*.

I do not know who can  
send you the ferns you  
desire - Advertise

for them in the California  
Horticulturist.

Aspid. Californicum is  
doubtful.

I have no Asplenium  
dentatum from the U.S. & when  
you get it I hope you  
will send me some.

I saw it in the Torrey  
herbarium.

Aspid. Ludovicium  
I have never seen, & know  
nothing about it.

Sorry to be so unsatisfactory -

Yours truly  
J. Eaton.

6. I can say nothing about  
It till I see it in fruit &  
full grown.

7. Can not tell what it  
is. It may be almost  
anything. I must see  
fruit & know where it  
came from.

I have forgotten about  
*Asplenium filix-femina*  
var. *nicholsonii* & *angustum*.  
It is just as well to ignore  
most varieties.

I would like to have  
*Onoclea* from California.  
Like St. Thomas I won't

believe without seeing -

My students bring me  
all sorts of Eastern  
things & are ready to swear  
they came from California.  
& I don't believe it.

New Haven  
March 16. '75

Dear Sir -

Above are some  
notes on your ferns. I have  
not time to say more.

Yours truly

J. L. R.

Wm. Davenport

Mr Danforth's Ferns.  
March 16. 1875

1. *Phegopteris Dryopteris*. - not  
unusually large either.
2. *Pellaea brachopus*, var. *brachypterum*.  
*P. Wrightiana* is what Mr  
Brandegee sent you.
3. same as 2. I do not  
know *P. bella* very well. but  
suppose it to have nearly round  
pinules. I have not the  
late Ed. of the Synopsis.
4. Ad. Chileuse - The lady  
is assuredly mistaken - I  
rarely place any dependence  
on the statistics given by ladies.  
They forget - & get things very  
badly mixed up.
5. you are right.

P.S. My wife says I must  
return the Botrychium,  
which I do - unwillingly -  
I wish you could get me  
a specimen of it.

New Haven -

June 11. 75.

Geo. E. Davenport, Esq.

Dear Sir -

I have very little  
time to spare now-a-days  
for correspondence - & am  
sadly behind-hand in it.  
Cheilanthes sent May 28<sup>th</sup> is  
*C. Fendleri*. *C. gracillima*  
is right - other Cheilanthes  
intended is probably

the Clevelandii - but I  
don't like to name critical  
forms from a single frond.  
Botrychium is B. triplex,  
var. compositum. I have  
had it twice before from  
Cal. but always with  
a "please return". So I  
keep yours, for the present,  
& send you instead of it  
some Cheil. Wrightii, the  
only one of your desiderata  
I have to share.

- I return the list of desiderata.
1. I have not had in many  
years - no duplicates now.
  3. 5. 8. 10 - same story.
  2. a doubtful plant. I do  
not clearly know it.
  7. 13. 14. 12. no duplicates.
  8. I have never had myself  
from America.
  16. same story - it is in Torrey's  
herbarium only.
  15. utterly unknown to me.

Just where is the Botrychium  
from - & where was the big  
B. tomentosum last year from?

Yours truly  
J. C. K.

Desiderata

See letter from  
Prof. Eaton Jan 11-79

- 1 *Polypodium falcatum*, Kel'g.
- 2 " *californicum*, Ry.
- 3 *Notholaena candida*, Hook.
- 4 *Cheilanthes Wrightii*, Hook.
- 5 " *aspera*, "
- 6 " *Sindheimeri*, Hook.
- 7 " *myriophylla*, Desv.
- 8 " *argentea*, Hook.
- 9 *Pellaea flexuosa*, Link.
- 10 *Adiantum filiforme*, Fee
- 11 *Asplenium dentatum*, L.
- 12 *Aspidium californicum*, Eaton.
- 15 " *Ludovicianum*, Kunze
  
- 13 *Cheilanthes Clevelandii*, n. sp.
- 14 " *Cooperae*, n. sp.



Found this  
J.R.

well with Mr. Cleveland's  
specimens - and these  
run into *P. intermedius*, &  
I have no certain rule  
for distinguishing always  
*P. intermedius* from *P. vulgaris*.

The whole trouble is that the  
books are not the standard, but  
Nature is. We can go to the  
bottom of Books, but Nature  
is unfathomable.

Ever truly yours.

D. V. Eaton

New Haven. July 9. 1875.

Geo. L. Davenport. Esqr.

Dear Sir.

I have not yet  
thanked you for the little  
*Botrychium* which you were  
so kind as to send me.

I have put it away in  
the proper place, with your  
ticket, and now offer my  
thanks. I may perhaps  
never write up the *N. Amer.*  
*Ferns* as I should like to,  
but as my collection is now  
by far the best. it is perhaps

well to keep it so.

As to when *Botr. simplex*  
becomes var. *compositum*  
must be a matter of individual  
judgement. Your largest  
figure surely is the var.  
the next largest is not,  
& the smallest one I  
should call the var.

As to *P. Californicum*—

I wrote Mr Cleveland a  
long story about it. The  
gist is this—The common  
*Californian Polybodium*

is certainly *P. intermedium*.  
Kaulfuss' *P. Californicum*  
is an older name for  
something. Hooker & Baker  
say it is the same as  
*P. intermedium*, Hook. & Arn. &  
so they give up the latter  
name for the former.

Perhaps they are right—  
perhaps not—I don't know.

I have had no clear idea  
as to what *P. Californicum* is—  
& don't want to be quoted  
as pretending to know.

The brief character  
given by Kaulfuss agrees

New Haven, Connecticut. May 12 '78

Geo. E. Savenport Esq.

Dear Sir,

Thanks for the ferns sent  
the other day.

*Adiantum Capillus Veneris*  
I had from Lower California  
before. *Aspidium patens* I  
had once before from California.

The numbered ferns I would  
name as follows.

1. *Cheilanthes lanuginosa*
2. *Notholaena candida*
3. *Cheilanthes Clevelandii* - but  
not absolutely certain it  
is not *C. nymphaeophylla*
4. + 5. *Ch. Fendleri*
6. *Ch. Clevelandii*

The white condition of  
the last is very interesting.

Yours very truly

Samuel C. Eaton

X

25 Franklin Place,

Boston, Mass., June 10, 1845.

X

Dear Sir;

I have the pleasure of sending to you a specimen, what I believe is a new species of *Chilanthus* (and which I have ventured to name *Chilanthus viscidus*, <sup>the species before me</sup> subject to your approval. I detected it among some specimens sent to Mr. Robinson, by Dr. Pursh, for which ~~the~~ <sup>the</sup> ~~Chilanthus~~ <sup>Chilanthus</sup> ~~viscidus~~ <sup>viscidus</sup>. It is quite <sup>very</sup> ~~clear~~ <sup>distinct</sup> from *C. glaberrimus*.

~~Dr. Pursh~~ collected it with, and for this reason, species as the specimens received by Mr. Robinson were all together under this one name, and Mr. Robinson, being at the time busy, sent specimens to me without observing the difference. The plant, however, is certainly very distinct from *C. glaberrimus* and different from any thing that I have before seen from the United States. I cannot make it agree with any known description, and think it must be an entirely new species. During a visit to Mr. Robinson a few days ago I called his attention to it, and together we gave it a more careful examination with the <sup>same</sup> ~~above~~ result. The plant is peculiarly viscid, being covered with <sup>distinct</sup> glands that exude a glutinous substance.

That makes it most decidedly, sticky. A frond  
placed in warm water to soften the parts became  
so sticky, as to leave on the fingers a sticky  
trick, lasting for some time, and even the dried  
frond if held between the fingers tightly, a <sup>green</sup> pro-  
-ment becomes sticky, as the warmth of the hand  
softens the glands. It is this character that  
suggested to me the name which I propose  
for it, and which meets with the approval of  
Mr. Robinson, as I hope it will yours, unless  
you are able to place it with some species  
unknown to us here. In other respects the  
species seems to me to be no less distinct,  
and if my diagnosis is correct, then we have  
another species to add to the list of Cheilanthes,  
given by you in the new Flora Book. Please  
retain the specimen I send. I have about  
as much more for the Mass. Hor. Soc. Herb.,.

I have for sometime suspected that Phlox myrtillophylla has got mixed up with C. Clevelandii in the specimens sent out by Mr. Cleveland, but have never had a genuine specimen of the first species, C., which to judge specimen from Mr. Herrick's plant, grown in

The procumbence (and which I think is not an unusual  
great ~~the~~ <sup>to give its</sup> appearance. In my collection it is under  
glass, as I know some other of the same have  
done so & have recently, taken them into  
exhibition and the Hudson River, forming one  
the specimens of *meristothalla* from New York  
Robinson and myself examined some specimens  
of the Cleveland that we really <sup>as all</sup> to be distin-  
guished from the New specimen and not only,  
found the same beautiful ciliate appearance on  
the upper surface of the frond that we found in  
the New specimen, but on removing the <sup>leaflets</sup> <sub>leaf</sub>,  
the beautifully ciliated scales we found on the  
under surface of the pinnae, in the Cleveland  
specimens distinct hairs attached just as in  
the New specimen. I send one of the fronds  
examined (from the Cleveland) to you and re-  
spectfully solicit your opinion in regard to it.

On examining specimens of *C. handfordi* from Colorado and California, we found that while the Colorado specimens, without any exception, were scaly only & with entire ~~scale~~ scales, the scales on the California specimens were more or less ciliated, the long cilia overlapping the pure

And, and giving to the upper surface of the frond a  
similar appearance to that shown on *C. magnifica*  
and *Chlorocladia*, but on removing the scales we  
found the under surface of the pinnae smooth  
and free from hairs.

I had intended to have made some communica-  
tion to you in regard to Utah specimens of  
*Adiantum Capillus Veneris*, but as I have already  
trespassed too far, I fear, on your patience  
I will reserve that for another time.

Respectfully,

Geo. E. Davenport

Prof. Daniel G. Eaton  
New Haven, Conn.

It is that I would like to see you  
obtain it

the 1st of Feb, 1884, I have  
a few small seeds or more about 1/2 inch  
4 to 6 in. long, 1/2 inch wide, 1/2 inch high  
over pinnae distal.



New Haven July 30. '77

My dear Mr Davenport;

I have described your  
*Cheilanthes viscida* in my  
report on the Ferns of the South West,  
for Wheeler's reports. My paper  
is now ready for the printer.

I have a good deal of *C. myriophylla*  
from California & Arizona, which  
I have taken out from my cover  
of *C. Fendleri*. Your friend from  
Cleveland is good *C. myriophylla*,  
& is not what he has sent to me -  
though I do feel a little  
doubtful about *C. Clevelandii*.

Still I keep it up for the present.

I have already written out  
my views of the Utah  
*Adiantum* - I do not see

how I can make a species  
of it distinct from *A. Capillus-*  
*Veneris*, though you are  
right in what you say  
about its peculiarities

I send you a pound of  
*Asplenium serratum* - & one  
of *Aspidium Novboracense*  
from California - coll. by  
Mrs Pulsifer Ames. I do  
not know exactly where, but  
have written to find out.  
It is dotted with minute  
resinous glands -

Yours very truly

B. C. Eaton

New Haven Aug. 8. 1877

My dear Mr. Sauerbort.

Aspidium nevadense, n-sp.

differs from *A. Novboracensis*  
in having a short creeping  
rootstock, with proles clustered  
at the growing end of the rootstock,  
& in having the under surface  
minutely amber-dotted.

You ought to have seen  
this - Please tell me  
where Mr. Miller's locality  
is, & if you can, send me a  
bit of one of his plants.

Many thanks for the  
specimens sent me.

The var. laciniatum matches  
well with a specimen I have  
from Moore.

Have you any Osmunda  
from the Pacific Coast or  
any Phlegopteris other than  
Ph. alpestris?

Have you Ophioglossum from  
California or Oregon?

"Woodia scopulina?" yes.  
from Mono Pass. Bolander.

Don't be afraid of writing  
me too long a letter. Only  
pardon my brevity.

Thanks for your

notice in Amer. Naturalist,  
& your good wishes.

I am negotiating for  
200 extra copies of my  
report on Ferns of the S.W. so  
as to have plenty to give  
away—

Yours very truly

S. W. Eaton

New Haven. Aug. 25. 77

My dear Mr Davenport.

Thanks for the specimen  
of *A. Nevadense* from Mr. Miller.

Mrs Ames writes me that she  
& Mrs Austin got it at the  
locality for Darlingtonia, at  
Quincy, Plumas Co. where it  
grows abundantly along the  
Creek. It was Goodale  
who wrote the notice in Amer.  
Naturalist. I read carelessly  
his initials "G. L. G." & thought  
them G. L. D.

I return Dr. Parry's letter  
with thanks.

Mr Cassino has had

some trouble in getting  
his plates printed. & now  
he rearranges Part I. & I  
have to write up some  
species ~~new~~ to replace some  
which he lays aside for  
a later number.

I have just received  
*Botrydium lanceolatum* from  
Colorado - Mr. Brandegee.

Yours very truly  
S. C. Eaton.

are quite as hairy.

I have heard nothing  
from Cassin in nearly  
three weeks. He seems to  
have "got stuck" somewhere.

Meanwhile I am waiting  
the return of some *Boobychnus*  
I sent him before I can  
finish my MS for his  
part 2.

Yours very truly

Samuel C. Eaton

New Haven.

Oct. 15. 1877

My dear Mr. Savenport.

I have been as much  
troubled as you are to  
distinguish between *Cheilanthus*  
*myriophylla*, *Fendleri*,  
and *Clevelandii*

Cleveland's first specimen  
sent me looked very distinct,  
but later ones I have  
called *C. myriophylli*.

*Fendleri* ought to have more  
entire scales than *myriophylla*,  
& *myriophylla* ought to  
be tomentose or white hairy  
on both surfaces, more or less.

but I can not always, since  
the characters clearly shown.

In old, & weather beaten  
plants, such as your No 3  
from Miss Pelton, I would  
not undertake to decide.

The others 1. & 2. I should  
call *C. myriophylla*.

I have not by me my  
MSS on this genus, & can't  
remember what I said  
about them, only that  
I kept up all three species  
for the present.

I should be very glad  
of good *C. Clevelandii*.

with the rhizome.

Hooker says (*Sp. Fil. II. p. 100, 102*)  
of *C. myriophylla* & *C. elegans*,  
(now united). "caudex scarcely  
any, nodose". And

of *C. Fendleri* "caudex creeping,  
scaly". I must wait for  
more, & especially better,  
materials before revising  
or re-asserting my opinions  
about them. It is always  
dangerous to give an opinion  
on scanty or uncertain evidence.

I see nothing distinctive  
in your *Woodia*. The involucre  
is precisely that of *W. scopulina*,  
and some of my specimens



# THE ATLANTIC AND PACIFIC TELEGRAPH COMPANY.

In Connection with the Direct United States Cable, and the Dominion Telegraph Company of Canada.

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247

St 33p 7/1

Dated, New Haven

To Geo E Davenport

Rec'd at  
Nov 21

187

Hamilton place

please let me see your new york specimens  
of Botrychium I keep back proof sheets  
for that species to say a word about  
your specimens mail them tonight  
if possible will return them promptly  
D. Claton

printed I will put in a  
systematic synopsis of all the  
species - to be bound before  
Plate I., & this will perhaps  
sufficiently unify the whole.

I have now assumed to direct  
the choice of species for illustration,  
& will try to have their viscides  
put in as early as part IV or V.

I can not well do it sooner.

Lieut. Wheeler has my finished  
MS. of Terns of South-west & in  
that I have described your  
plant. But perhaps you had  
best give the name & character  
in the January Bulletin.

I will be glad to look over your  
notes on bird-forms. Hilde says  
not much about birds -

Yours very truly  
J. C. Eaton.

New Haven, Nov. 24, 1871

My dear Mr. Davenport.

I thank you most  
heartily for your prompt  
response to my telegram,  
and especially for the  
permission to keep the specimen.

Also I desire to offer my  
grateful acknowledgements for  
your very flattering notice  
of the book. It is costing  
me a deal of time and worry,  
and I shall get but very  
little pay for it - and probably  
plenty of abuse for what I  
both say and leave unsaid.

The specimens are clearly  
*B. Lunaria*. The tracing is  
different from any specimens  
have seen - I have not looked  
up *Milde's* figures for comparison,  
but I can readily believe you  
are right about it. I had  
space to say but a few words  
about the Syracuse locality.

I referred to your paper in  
*Towney Club Bulletin* - named  
Mr. Munday & Mrs. Rust - added  
a word about the abnormal  
form & ended with "and he  
also tells me that ~~that~~ he  
finds that the first specimen  
sent from Syracuse was collected  
by Mrs. Rust." It is not necessary  
that I should name Miss Horner.

There are many things about  
the book in which I cannot  
have my own way - I wished  
for more figures of each species  
(each small species) so as to show  
variations, but could not get  
them. It is a great disadvantage  
for me to be here & Mr. Emerson  
in Salem - I should have  
left *B. boreale* till one of the  
last numbers - but they had it  
drawn (from a Norway specimen)  
before I knew it.

I do not think the paging  
can be remedied - But plenty  
of works exist, in which the  
natural order is not followed -  
as. *Harvey's Phytologia Australis*  
in 5 volumes, for instance.

When the last number is

New Haven. Nov. 27. 1877

My dear Mr Davenport.

I received your letter of the 24<sup>th</sup> last evening, just after I had mailed to Mr. Cassino my MS on *Botrychium lanceolatum* and *B. boreale*. I shall have a chance when I see the proof to correct the statement about the origin of the specimen of *B. boreale*.

I have written to have Miss Hosmer's name put in the other story, & to omit the last two lines about "he tells me also that the first specimen sent from New York

was collected by Miss Rust",

I am to see another proof  
of this paper too - & will  
see that it is all right.

Since the above was written  
I have your letter of Monday.  
I shall have no trouble  
in making it all straight.  
So not speak of any trouble.

I tried for a month to  
make Cassius tell me  
where that *B. boreale*  
came from - & at last  
was told it came from  
Norway - I will make

the correction in due time.

Yours very truly

L. J. Eaton.

Daniel C. Eaton,  
NEW HAVEN, CONNECTICUT.

May 1. 1878.

My dear Mr Davenport.

Please pardon my  
slowness, but I am  
more driven now-a-days  
than ever before.

I think Dr. Bigelow's fern  
is my *N. Farreyi*, as  
you suggest. but I do  
not think it can be proved  
that he got it in California.  
In those days people were  
not so definite about  
localities as they are

now—

Mr. J. Gonnell Smith  
has a few Florida  
specimens of Ophioxform  
helmutum.

How do you like Parts  
IV. & V.

Yours very truly

D. V. Eaton.

Daniel C. Eaton,  
NEW HAVEN, CONNECTICUT.

May 8. 1878.

My dear Mr. Davenport-

I am sorry, if I have  
done Mr. Miller any injustice.  
In writing up the form I had  
no specimen of his collecting  
before me. Did he get it  
earlier than July 1875 - the  
time when Mrs. Ames says  
her brother got it for her?

Might not Mr. Miller's specimens  
have come from either Mrs.  
Austin or Mrs. Ames? (see letter # 382)

Mr. John Donnell Smith,  
75 Park St.

Baltimore

is the gentleman who has



collected *Ophiogloss. palmatum*.

Among some ferns from  
Dr. Griseb are specimens  
of *Asplenium dentatum*,  
which has been so rare  
hitherto that I had  
no Florida specimens.

Yours very truly  
S. L. Eaton.

See letter # ~~1000~~

New Haven. May 9. '78

Geo. E. Davenport, Esq.

Dear Sir.

I had not noticed that  
Plate XIII was marked  
Asplenium - before -

The R. Br. is wrong too.

I have had nothing to  
do with the names on  
the plates hitherto, but  
will try to get the  
control of it hereafter.

I enclose some of  
Miss Burbeck's ferns.

Mr. Baker thinks it is  
new. I think it is only  
starved N. candida.

Cleveland can get more  
of it for you - He calls  
it candida.

A good many ferns are  
sometimes colored & sometimes  
not. Aspl. Filix-foemina  
for instance.

Yours very truly

J. V. Eaton

New Haven July 1. 1878

My dear Mr. Davenport.

I do not know that I have yet thanked you for the specimens of *Aspidium spinulosum*. I have not looked to see if the indusia are glandless, but the look of the plant scarcely comes up to my idea of typical *spinulosum*. The Newton plant is nearest - having oblique pinnae



but in the Medford plant the pinnae are too widely spreading, & almost to much compound —



But I write just now to  
ask if you can tell me  
how or of whom I can  
obtain a live plant of  
the pink E. Massachusetts  
water lily - I have built  
me a rockery & a basin on  
the N. side of my house, &  
want a pink-flowered Nymphaea  
for the basin - if I can get it.

Perhaps you can tell me  
to whom to apply -

Yours very truly

S. C. Eaton.

New Haven July 30, 1878

My dear Mr Davenport.

The only *N. American*  
*Pt. Cretica* I have is from  
Dr. Chapman, collected  
somewhere in Florida. Hooker's  
words in *Syn. Fil.* II. p. 160, lines  
17 & 16 from bottom, exactly  
describe my specimens.

Of course I have not seen  
Mr ~~Woot~~ Mohr's plant, but  
I believe *Pt. serrulata*  
comes only from Eastern Asia  
& Africa - & that *Pt. Cretica*  
is attributed not only to

Florida, but also to Mexico  
Guatemala + Brazil.

Writing my Fern book takes  
a great deal more time than  
I had expected.

I am now on the genus  
*Trichomanes*.

Yours very truly

Samuel C. Eaton.

Daniel C. Eaton,  
NEW HAVEN, CONNECTICUT.

Sept- 6. 1878

My dear Mr Savenport.

I should call your  
fern Pt. serrulata, rather  
than *Cretica*. But if it  
be *serrulata* it has no  
business in Alabama.

I have written to Mr  
Mohr for more specimens,  
& hope in time to have  
the matter straightened  
out. Thanks for the live  
plants. I have had  
them potted carefully,



and hope they will  
do well. I have just  
spent 8 days in Ulster  
County, N.Y. but saw  
no forms of special interest.  
I brought home a fine  
root of A. spinulosum,  
either the type or near it.

Yours very truly

J. C. Eaton.

Daniel C. Eaton,  
NEW HAVEN, CONNECTICUT.

Sept. 9. 1878.

My dear Mr. Savenport.

It is with great regret that I read of the death of one of your children. I have three - and how carefully & anxiously do I watch them! I hope Mr. Mohr will send me a good series of the Pteris - Possibly we can run it into P. Cretica.

P. Cretica - it is said - has appeared within a few years on the walls of the College in Charleston. I have written for specimens.

I send you the latest find - only sterile fronds as yet gathered. Guess what it is.

Yours very truly

D. C. Eaton.

Daniel C. Eaton,  
NEW HAVEN, CONNECTICUT.

Sept. 17. 1878.

My dear Mr Davenport.

Yes - it is *Ceratopteris*  
*thalictroides*. If Dr Garber  
sends fruit I will share  
with you.

Prof. L. R. Gibbes wrote  
me last month about  
the Charleston Pteris, & I  
have asked for specimens  
& think he will send them.

I will be glad to see  
your paper on *Aspl. spinulosum*.

The fern you sent me was  
*Cyrtopteris fragilis* - I return

for you to look at again.

My *Ad. tricholepis*, Fée. is all glued down - I have only one found from the U.S. one from prov. Huasteca in Mexico, + a few from Yucatan.

I enclose three pinrules ~~which~~ which ~~will~~ will show the hairy surfaces + involucres.

I enclose a short account of it which gives references. &c.

Yours very truly

J. C. Eaton.

New Haven Conn  
Oct. 14, 1878.

My dear Mr. Davenport.  
Dear Sir

By *Notholaena Hookeri*,  
(Lectm in Wheeler's Reports in ed.)

I mean what Hooker calls  
*N. candida*, var. <sup>5-fido-helmata</sup> ~~subgeminata~~

I once thought it was  
*Cheilanthes Borrigiana*, Nutt.  
+ again  
*Notholaena exaltata*, Liebm.

but now believe it to be  
distinct from all these - none  
of which ~~had~~ have been found  
in our limits.

Some of Cleveland's *P. flexuosa*  
I think is good.

It is not always easy  
to distinguish between this  
& large *P. andromedae-folia*,  
but we must do the best we  
can.

For *Phegopteris edmonia*  
& *Adiantum cuneatum* - in  
Rhode Island - I must wait  
till I see them.

A lady here recently  
told me of a transparent,  
living, air-snake, which  
some of her friends had

seen, & which Agassiz  
said was a real, but very  
rare, serpent.

I always answer such  
people politely - but say  
I must see the thing  
myself, before expressing  
any opinion.

Yours very truly

S. C. Eaton.

Daniel C. Eaton,  
NEW HAVEN, CONNECTICUT.

Dec. 2. 1878

My dear Mr. Tavenport.

I am not yet ready to  
swear to *Chilanthus elegans*,  
& have a good deal of studying  
over it to do before I am.

Perhaps *C. Fendleri* may  
have to go up, as *C. elegans*  
is an older name. Hooker  
reunited *C. myriophylla* &  
*C. elegans* in Syn. Fil. but  
Fournier separated them  
again. I must wait a  
while longer about it.

Thanks for the promise  
of *P. falcatum*. I will  
do what I can with it.

Yours very truly  
D. C. Eaton.



New Haven, Jan. 20. 1879

My dear Mr. Davenport.

I do not see that I can help you about the exact date of Brauns's *Aspid. remotum*. He seems to have published it as a var. of *A. rigidum* in Doell's Rhein<sup>ische</sup> Flora, p. 15 - which was published in 1843. I have not the work. Hooker's remark, "Not having access probably to the German authors, it was considered by Mr. Tuckermann a new species, which he described under the name of *As. discoverer* in the United States, *Aspid. Boothii*", affords no real presumption that Brauns's name is older than 1850. Sir W. J. Hooker always turned a matter very politely, but was liable to get things wrong and first once in a great while.

I have no doubt Tuckermann's name is oldest - as a specific name, and fully as old as Brauns's *A. rigidum*, var. *remotum*. Concerning the identity of the two things you must judge for yourself.

— enclose a proof of *A. munihum*, var. *nudatum*,

which please return.

Mr. Merrill has *Pol. vulgare* var *caubricum* in cultivation, & you can easily get it from him.

Your *Woodnia* is most like my *W. scopulina*, but it is sometimes hard to tell the two *Woodnias* apart, when the specimens are either poor or scanty.

Emerton did as well as he could with *Brunna cinnamomea* & *O. Claytoniana* - We can have only 75 plates all told, & will have to put two large species on one plate again & again. The *O. regalis* I don't like very much. I am at a very great disadvantage in not having the artists here - to work under my own eye.

Yours very truly J.E. Ctr.

P.S. I send the *Aspid.* with some notes of mine which Watt published some years ago.  
J.E.C.

New Haven Jan. 25. '79

Saturday evening.

My dear Mr Davenport-

I have your two letters of  
the 23<sup>d</sup> & 24<sup>th</sup>. & the *Aspid.*  
*munifolium*.

Keep the notes from the  
*Canadian Naturalist*.

I did receive the *P. felcatum*  
Thanks. I hope to get some  
fine specimens of it next year  
from a lady in Oregon.

I first wrote *Aspid. cristatum*.  
var. *Floridanum* in H. Mann's  
catalogue published in 1859.

*Aspid. Floridanum*, DCaton  
in Chapman's Flora. is right,

Chapman had nothing to do  
with it.

Hooker's name belongs to  
Neptrodium only.

I have no doubt it  
is a var. of A. cristatum.

A. spinulosum, var. Boothii, Gray,

Manual. Ed. 2. p. 598 - is  
the proper quotation for the  
other form you ask about.

You once said you could  
lend a good specimen of  
Chilanthus leucopoda

to draw from. I plan  
to have it on Plate 44,

& will be ready for it  
very soon. Can you  
send it to Emerton?

Yours very truly

S. J. Eaton.

think best.

The Californian Aspid. I have  
called

Aspid. rigidum, var. argutum

in my Ferns of the South west,  
& expect to use the same name  
in the Ferns of N. America.

Sorry I can't help you more - but  
there are many things - even in  
common Polypodiaceae, which I don't  
know -

Yours very truly

J. C. Eaton.

I got your letter this Tuesday A.M. &  
answer it now -

New Haven. Feb. 25. 1879

My dear Mr. Davenport.

It is not possible for me  
to completely unravel the  
synonymy, & to point out the  
distinctions, of the Polypodiaceae  
of the pectinatum - taxifolium  
group.

Dr. Garber's and Mr. Faxon's  
specimens look like distinct  
species. The former is certainly  
what Hooker & Baker have called  
pectinatum - The latter does  
not answer exactly to Baker's  
character of P. taxifolium.

near to Plumier's figure which

refers to, & which Fee calls  
*P. taxiphium*. L.

Fendler 218. is *P. apiculatum*

Kze. See Hook. Sp. Fil. IV. p. 185.

where Hook. says he would have  
little hesitation in calling it  
a form of *P. Plumula*.

I think Faxon's plant  
fits exactly with the original  
*P. Plumula* in Willdenow. Sp. Pl.  
v. p. 178. scales on the  
rachis & all. (nothing is  
said about the veins) - & between  
you & me - & the post. the  
present New Pteridologist is

over careful in looking at  
the veins & veinlets of ferns.

So I propose to call

Faxon's fern. *P. Plumula*. H. B. K.  
in Willd. Sp. Pl.

— Gaster's

*P. pectinatum*. L.

Fournier - refers Linnæus'  
*P. pectinatum* to a fern with  
goniophlebic venation - &  
calls it *P. anisomeron*. Fee.  
var. *β. pectinatum*

---

You can, of course, do in  
the matter whatever you

Daniel C. Eaton,  
NEW HAVEN, CONNECTICUT.

March 31, 1879

My dear Mr. Savenport.

I would not think of asking you to omit one word from your Catalogue. All I asked was whether you would be pleased if I also said my say about the *Pteris* & the *Adiantum* in the Torrey Club Bulletin.

I enclose a dollar for two copies of the Catalogue, which I shall be very glad to see. I would be glad of *Botr. var. lunarioides* from Mobile.

I am glad you like Mr. Faxon's drawing. I hope

the subscribers to the book  
will have no reason to  
complain of the change of  
artists.

Yours very truly

S. J. Eaton.



New Haven. April 4. 1879

My dear Mr. Davenport.

I owe you many thanks  
for your catalogue, which  
I have looked through with  
great interest. How hard  
it is to get the last fern!

I have no *Aspidium juglandi-*  
*folium* from the U.S., and yet  
I am sure it has been found.

After what you have said  
about *Pellaea brachyptera*  
I suppose I shall have to  
recognize it as a species, as

I had intended to do before  
Moore's name was published.

About the *Adiantum*  
*cuneatum* in Rhode Island—  
Have you seen any of it  
yourself? and do you  
really believe it?

I have written again to  
Prof. Gibbs in Charleston  
for his "*Pteris Cretica*", & I  
hope we shall get it by & by.

Thanks also for the  
*Botrychium* from Mobile.

I have sowed spores of  
*Aspid. munifolium* in a Fern-  
Case, & the prothalli are  
beginning to form— I shall  
watch them with much  
interest.

Yours very truly

L. J. Eaton.

P.S. I am working hard to  
finish up par 15— & can  
think of little else— If I  
ever get through this Fern-book  
I shall "go a-fishing".

L. J. E.

Daniel C. Eaton,  
NEW HAVEN, CONNECTICUT.

April 8. 1879

My dear Mr Deenport.

Thanks for note of the  
escape of *Ad. cuneatum*.

*Platyserium alcicorne* has got  
out in three places in Great Britain.

Thanks also for note of the  
*Oregon Polybody*.

If Dr. Fisher does not  
send you an *Ophiog. palmatum*  
you shall have one of mine!

I don't know about Dr. Parry-  
have heard nothing from him.

Enclosed is photograph.

Excuse haste - please.

Yours faithfully

D. C. Eaton

1.

New Haven

April 22. 1879

My dear Mr Lavenport,

I send you today  
by express Capt. Smith's  
Ferns, having taken out  
only a few specimens for  
my own herbarium, none  
for exchanges.

About the *Polypodium*s  
I have not definitely made  
up my mind. They seem  
to connect *P. Plumula*, H. B. K.  
+ *P. pectinatum*, but if I  
must say one or the other  
I should just now refer them  
all to *P. Plumula* - which  
Becker calls *P. elastum*.

I have written a few notes  
pertaining to this collection for the  
Torrey Club Bulletin, & in them  
have mentioned the prolific form  
of *A. cuneatum*. There  
were three specimens. I send  
you one. one I keep & one  
I return by mail to Capt.  
Smith. In the one I return to  
him the whole pond is pink  
or green. The smaller *Asplenium*  
I call all *A. Trichomanes*.

Where in California do  
you get *Plaris tremula*.

Dr. Gates sent me some  
scraps of ferns among algae,  
without memoranda, & I sent

them back without memoranda,  
but as I recollect them there  
was a small pond of what  
might be *Pl. tremula*.

If it is true it is most  
likely an escape like the  
*Ad. cuneatum*.

Yours very truly

S. C. Eaton

New Haven. Oct. 3. 1879

My dear Mr. Liverport.

I have two letters from you. -  
the first I have left at home, and,  
as I am writing at the School, I  
can only remember that you did  
not send me the Polybor. (It came  
from Mrs. Rust, I find) - & that some  
friend of Mr. Williamson has found  
Sceloporus in Tennessee, of  
which I am very glad -

The second letter - about the  
book for sale in Boston - troubles  
me a good deal. I have written  
a sharp letter about it to Cassius,  
(not using your name - of course)

If I had understood his  
character three years ago, as  
well as you <sup>seem</sup> ~~seem~~ to understand

it now. I never should have entrusted him with a work of my writing.

But now, I think there is no way for me, other than to finish the book as well and as speedily as I can.

The pay I get for writing is too little to be worth considering; I am writing it mainly to do good in my own branch of science; and that the publisher does not adhere to what you and I would consider sound business principles, is a matter which

I regret very much, but which it may be beyond my power to correct.

As it is the subscribers may complain of him - but if I were to refuse to send on more MS. except on conditions, the result might be that the work would never be completed at all - & then the subscribers would complain of me.

However much I may regret having begun the work - I have now no choice but to complete it.

Yours very truly  
Samuel C. Eaton.

New Haven. Oct. 8. 1879

My dear Mr Lavenport,

I have your letter of the  
4<sup>th</sup> inst.

I do not think many  
people will hold me responsible  
for Mr. Cassino's doings. He  
gives me as much trouble as  
he does to any one else, and  
I have to "grin & bear it".

Thanks for the *Ophioglossum*.

Miss Reynolds has some "from  
the Indian river country".

Your *Aspidium* is an  
uncertain thing - perhaps  
nearest to some form of *A. nuttallianum*.



I must wait for fuller specimens, & more information, before giving any positive opinion. Who collected it?

" *Adiantum Capillus-Veneris* -

Mts. of Virginia - on banks of  
New River. Wayne Co,

Howard Shriver, 1878 "

So my ticket reads - I do not know  
whether it has been published or  
not.

I sometimes overlook reported  
new stations for ferns - & today  
find that I had not noticed  
the Pennsylvania station of  
*Aspid. aculeatum* - no example  
having been sent to me.

Yours very truly,

Daniel C. Eaton.

Thanks!

S.V.R.



WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER

Geo. E. Davenport, Esq  
8<sup>th</sup> Hamilton Place.  
Boston. Mass.

New Haven. April 2. 1880

My dear Mr. Deaneport,

Thanks for your kind  
letter of March 31<sup>st</sup>.

I send you an imperfect  
set of proofs & the forms for  
the Flora of California; all  
I have to spare.

You will see how I  
have mentioned *Epistemon*  
*crinitosum* and the  
*Phacopteris*. I always  
distrust specimens which  
have been passed about

from one botanist to  
another three or four times.

I have entirely completed  
my work on the genus  
of *N. Sumneri* - *Phryganis*  
*calceola* turned up just  
in time to be mentioned  
the last thing in the  
Appendix.

Miss Reynolds sent me  
some of her *Asplenium*.

They all run together -

Yours very truly  
Samuel C. Eaton.

New Haven. Apr. 23. 1880.

My dear Mr Davenport.

Postal card rec'd. Had already  
mailed your MS to Leggett. Think  
plant is *Nottholaena* & not *Chirilanthus*.  
There is an E. Indian *Chirilanthus* something  
similar. See Syn. Fil. - I forget its name,  
& write at P.O. Have also sent my  
new copy To Cusino. He will show it  
to you - Am glad you are to have  
more of it. Yours very truly  
S. J. Chapman.



WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER

George E. Savaport. Esq.  
& Hamilton Place  
Boston.  
Mass.

Dr. Palmer is in Cambridge. See  
Watson about him & his plants. I  
send a list of *Pellaea* ~~acutifolia~~.  
*Chil. microphylla* & *C. alabamensis*, &  
*C. Lindheimeri* occur in the coll. from  
Texas. - *Anemia* from Mexico only.  
*Pellaea flexuosa* from both. My "*Pellaea*  
*andromedifolia* var. *pubescens*" is in the  
coll. & can not be so named any more.

I think *Nothol. Greenii* is in it also.  
Yours very truly  
D. C. E.

May 24





WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER

George L. Davenport. Esq.  
8 Hamilton Place  
Boston  
Mass.

1  
Copy of letters from Prof. Eaton to  
Capt. J. Donnell Smith in regard to the fern  
Aspidium Cernuum found by the latter  
in Florida, March, 1880, with a copy of  
Capt. Smith's description of it under the name  
Asp. anceps.

New Haven, May 27. 1880  
Capt. J. Donnell Smith,

My Dear Sir;

I have now a reply from Mr  
Baker to whom I sent some of the specimens  
of your Florida Aspidium, and I enclose a  
copy of his letter, together with one of the  
pinnae which he sent me. I think it is  
exactly like your plant. I can not  
separate the A. Cernuum of Sp. Fil. into  
several species. The presence of resinous  
dots is not considered of specific importance  
in other ferns - as for instance, in A. unitum,  
of which I enclose resinous-dotted pinnae.  
The short stipe is variable and the mamillate  
gland difficult to see in dried plant.

Fournier gives no character or description  
of his A. exundans. - I have space

in the Appendix of my book for only a brief account of your fern, and I referred to it as Aspid. conterminum, Willd., but with a ?

No one this side of the ~~water~~ ocean can disentangle the confused synonymy of A. conterminum and the forms referred to it. If you ever come here I can show you much that bears upon it, but not everything. I return your description of A. anceps, having carefully taken a copy of it, that you may publish it yourself if you decide to do so.

I see you find A. exsurgens at Washington.

Hornier gives four varieties, a - genuinum

b. majus

c. Feei

d. myriocarpum

& find that he does give a specific character - a very brief one; - "Truncus erectus, frondes firmæ, sub cartilagineæ, nervis "marginatibus, indusio citius evanido" - all which applies well to your fern.

Hendler's 176 is

cited for his var. a, Hendler's 179 is cited for

his var. d. On neither of these do I see resinous dots or acrophore-gland.

Fee's Aspid. strigosum, from Canadalupe, coll. by L. Herminier, of which I have an original frond, seems to have both!

I think it is surely your fern!

The reference is

Fee, onzième Mémoire, p. 78, t. X & 11, fig. 2. I will copy all he says.

The plant next before it is A. conterminum, of which he says; "Elle est voisine de l'espèce suivante."

Fee - Onzième mémoire, p. 78,

Aspidium

γ strigosum, Fee. Frondibus pinnato-pinnatifidis lanceolatis, glabris, petiolo lævi; pinnulis oppositis, superioribus alternis, ultimis adnatis, linearibus, caudatis; laminis usque ad apicem fructiferis, basi decrescentibus, segmentibus infimis oblongis; sporotheciis parvulis, indusio membranaceo tenui, glabro, persistente, fusco; sporangiis rotundis, annulo 14-articulato; sporis breves reniformibus.

Habitat in Canadalupe L. Herminier, 1863.

*Filix strigosa*, elatè recitè luterola; pinnulis  
 patulis, apice curvato elongato, fertili; rhizom-  
 -mate erecto, crassissimo, radiculis rectis,  
 longis.

Icon. Tab. ~~XXXII~~. fig 2- Reductum cum fragmentis  
 " magnit- natur et auctis.

(Dimensions: Longueur totale 1 mètre environ,  
 environ; pinnules 8 centim sur 7 à 8 millim de  
 largeur; 40 à 45 paires de pinnules)

Le rachis est profondément sillonné.  
 Les pinnules de la base des frondes ne sont  
 plus représentées que par des appendices in-  
 formes. Le port de cette belle espèce est élé-  
 gant; elle se rapproche de l' A. Rivieri avec une  
 consistance plus ferme des pinnules moins  
 écartées et plus nombreuses, des nervilles  
 chargées d'un plus grand nombre de sporothè-  
 ces qui deviennent confluents.

For this particular form Fée's name is older  
 than Fournier's.

For the other ferns you send me I am  
 very thankful. The series of Pol. pectin

- nature is very fine and instructive.

III is hardly "viviparous" - but rather has one pinna enlarged & pinnatifid

IV *Pteris serrulata* - much finer specimens than I had before.

V Exactly *Nephrolepis exaltata*.

VI Thanks for this also

VII Very large for *A. unitum*. But I suppose most collectors take pains to collect as small ponds as they can find, so that botanists who do not travel seldom know how large & fine a plant may be in its native land.

Fée's description differs from your plant in some few items, but the specimen does not - so far as I can see. It lacks the base of the stipe, and the indusium may be a trifle more persistent. Fée's figure shows a very short stipe, and erect rhizome - also some pubescence - which his description denies.

Yours Very Truly

Daniel C. Eaton.

Copys of letter from J. G. Baker

Royal Gardens, Kew,

Herbarium, May 12. 1880.

My Dear Prof. Eaton,

The conterminoid *Aspidium* has come quite safely. Looking through our Mexican and West Indian [ferns] classed under the very broad-stretching conterminum of Species *Filicium* the nearest thing I find to it is Calceatti 6306, cited by Fournier as the type of one of his vars. of *exsudans*.

It has the gland at the base of the pinnae, the resinous glands and the hairiness. I will enclose however a couple of pinnae that you may judge for yourself.

Our specimen does not give the base of the stipe.

Another that comes near it is Sieber, Martini-que 241. The type of *Asp. polyphyllum*, Kaulf. This is less hairy than yours, with broader segments, & I do not detect a gland at the base of the pinnae.

Under Wright's Cuba 820 we have three different forms. This is the number, as of course you know, on which Kuhn founds his *Asp. rigidulum* (*Linnaea* XXXVI 109) citing as a synonym *Aspidium conterminum*, Eaton

Hil. Wright, 209. You no doubt have means to include all the three forms under that name.

Yours very Truly,  
J. G. Baker.

New Haven, June 3-1880

My Dear Sir,

Thanks for sending me the Mexican ferns. The typical specimen of *A. exsudans* comes very near your fern, is perhaps less rigid, & has the rimules slightly different. But it is slightly pilose, resin-~~ous~~-dotted, & has the mamillate gland, & I should not venture to separate it. Var. *myriocarpum* seems to lack the resin. But our own *A. Novboracense* is sometimes resinous - commonly not so. I should be inclined to refer all these forms to *A. conterminum*, as is done in Synopsis *Filicium* - making of yours a var. to be called either *strigatum*, *exsudans* or *resinosum*. The species as a whole would not be more variable than *Aspid. Filix-mas*, or *A. aculeatum*, or *Asplenium Filix-femina*. Will you write it all up for Torrey Club Bulletin? or shall I? I have

only a very brief notice in Ferns of N. America,

My story about *A. noveboracense* had to do with the rootstock, not the stipe. I have not examined many specimens for the uncipital base of stipe - & indeed this character is not very evident in the dried plant.

Probably the whole caudex has produced stalks, the lower part - perhaps only frondless stalks - like the runners of *Anacrostictis*.

Many tree-ferns have aerial roots - sometimes as mass an inch thick

Yours very truly

D. C. Eaton.

Dr. Donnell Smith's Description.

Aspidium anceps, n. sp.? Rootstock very stout with the persistent dead stalks, erect,  $\frac{1}{2}^{\circ}$  -  $1\frac{1}{2}^{\circ}$  long, one fourth to one third above ground; stalks in a terminal crown, 1'-2' long, scabrous, at the base chaffy and for the distance of 6"-12" mediately uncipital with a lobed 1"-2" wide protrusion of cellular tissue; fronds spreading in a circle, thick-membranaceous, glabrescent and dark green above with scattered hairs, paler be-

-neath and sprinkled with yellow resinous atoms, rachises pubescent; ribs and veins appressed ciliate, lanceolate in outline, acuminate above, attenuately elongated below,  $2^{\circ}$ - $4\frac{1}{4}^{\circ}$  long,  $5'$ - $9'$  broad, pinnate below the pinnatifid prolonged summit; pinnae 35-45 pairs, sessile, bearing a mammaeform gland beneath at their insertion, linear-lanceolate, apex ciliate, deeply pinnatifid, lower pairs distant and merely incised and hastate, decrescent to near the caudex; lobes obliquely oblong or obtusely falcate, margin revolute entire or subentire and appressed-ciliate, basal lobes enlarged and hastately divergent with the upper one acutish and the lower one hapzoidally incised and upward produced; veins 7-10 pairs, simple, or the anterior pair forking or flabellate in the lower basal lobe and rarely elsewhere, free and distant at the pinus; Pori nearer to the margin than to the midrib, with age confluent in one mass to the lobe; indusium minute, semiobovate with a broad pinus, glanduliferous, evanescent — Fronds all fertile, and fruited throughout excepting the much reduced lower pinnae.

Hab. Abundant throughout a mire, hammock draining into Peace Creek near Fort Meade, Polk Co., Florida, March 1880.

The trunk-like caudex, and the palm-like head of



almost stalkless fronds give to this species  
some resemblance to the tree ferns.

---



New Haven. June 30. 1880

My dear Mr. Sargent.

I thank you for the fine specimen of *C. viscida*. Mr. Wright sent me a bunch of living plants April 20th, and I saved one fair herbarium specimen, though not so good as what you send me. He did not give the exact locality.

I hope Mr. Hornselt will supply the *Aspidium*.

Mr. Baker's opinion is always of value,

but he is no more  
infallible than the  
rest of us. In naming  
Parry + Palmer's  
Mexican Terns he  
has made a n. sh. of  
Chil. Lincolni.  
+ Mr Redfield + I  
both dissent from some  
other of his determin-  
ations. -

Yours very truly

S. J. Eaton

New Haven.

July 30. 1880

My dear Sir,

Dr. J. Schneek, Mt. Carmel. Ill.,  
has just sent me a fine sp. of  
Bohr. boreale from Alaska.

Yours very truly

J. V. Eaton.



WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER

George E. Sawinport Esq  
8 Hamilton place  
Boston  
Mass.

New Haven. May 6. 1881

My dear Mr. Sargent,

I am glad to hear from  
you again. Your *Chailanthus*  
*Panicoides* is unlike anything  
I have ever seen. I shall be  
very glad to have a bit of  
it after you have published  
the description.

The other form is not  
in fruit. It looks to me  
more like *Xanthoxena hutchingsii*  
than anything else, but I would  
not be willing to give a  
positive opinion without  
seeing fruiting branches or the  
stigma.

I am very sorry for Goodale's  
loss, as for yours also;—

My three children are  
all living, & reasonably well,  
though the youngest has  
just now a little attack  
of intermittent fever.

Mr. A. H. Farkner has just  
found Aspidium trifoliatum  
in Southern Florida.

Yours sincerely-

Samuel C. Eaton.

H

New Haven. Nov. 17, 1881

My dear Mr. Lavenport.

Your letter & specimens  
received.

All but the smallest one  
I found a plant with var.  
lobatum of *A. aculeatum*,  
& of that group in the same  
substratum with the rest, & common  
enough to connect var. scoparium  
which more closely with the  
lobatum form of *aculeatum*.

I think, a good series of  
plants would show a gradual  
change from deeper aculeatum  
to multinoides, and that no  
absolute distinctions can be  
found between the neighboring  
forms. Yours very truly,

L. C. Johnson. (over)



P.S. I read your  
letter by express  
yesterday, and the  
news with it.  
I am glad you are  
interested in the  
P.T. people here that they  
are not so very  
hard, as I did not make  
the first one.

New Haven. Feb. 7. 1882

My dear Mr Davenport.

The doings of Marcus  
L. Jones & the rest of them  
do not trouble me at all,  
& I beg you not to give  
yourself any concern about  
them.

I have not seen the  
February Bulletin.

Rusby has sent me his  
Woodrats all mixed up.

I find among them what  
I think is *W. Mexicana*, with  
a very evident lace-like-  
fringed indusium - *W. Oregona*,  
with almost no indusium, &  
*W. Plummerae*, which seems  
to me only a very glandular

from W. Abner. But I  
have no doubt he has sent  
one thing to one person + another  
thing to another.

I have seen no such  
statement about probabilities  
as you speak of.

I expect to be in Cambridge  
tomorrow evening, + to stop  
a few days with Prof. Gray,  
+ hope I may see you.

Yours very truly,

Samuel J. Eaton.

Mr Cartiss' list of localities  
is interesting, & would  
be worth printing.

Yours very truly  
Samuel C. Eaton.

New Haven.

March 10. 1882

My dear Mr. Davenport,

I have received your  
letter of yesterday. I do not  
see why Mr. Baker, who named  
Dr. Garber's Ferns should  
have thought no. 41 to be new.

I see no difference between  
either Garber's or Cartiss'  
specimens and a fern  
which has been well known  
in the Antilles for the last  
175 years!

Plumier figured it, a fern  
with a somewhat undulating  
edge to the frond, under the  
name of "*Lingua cervina scandens*,  
*angustis & undosis foliis*."  
Linnaeus overlooked it.

Swartz named it

*Polypodium serpens*, which name was accepted by Willdenow, Mettenius, Hooker & Grisebach.

Baker discovered a *P. serpens* of Forster - & so changed the name of this to *P. Swartzii*, under which name you will find a fair description of it in *Synopsis Filicum*.

I have taken two fronds from your specimen, & return the rest, with Gaster's, which I have already.

Pursh's names in the Journal are very unreliable.

This *Xephodium dentatum*

is probably *Cyrtopteris fragilis*, & his *Asplenium salicifolium* must be *Aspl. angustifolium*.

Both are common about Onondaga.

I thank you for the Pringle specimens of *Chitranthes*.

The queer one from Lemmon seemed new to me, but I would not name it without seeing better specimens. Your name of *C. villosa* will do very well, but I shall not use the name till you publish it.

New Haven. Conn

March 25. 1892

My dear Mr. Lavenport.

Many thanks for the specimens so kindly sent. They helped me to make out my sets very nicely.

I will send you something in return before long -

Let me now return the hostage.

If you really desire it I will announce the *Polypod. Swartzii* - But I make it an invariable rule to give every body else fair-play, and to avoid selfishness, as far as human nature will permit.

I have two or three other items to report - new stations for unexpected forms -

Will you get for me a copy of Marcus & Jones pamphlet & a specimen of this

A. notivirides var scopulinus?

I can not ask him myself, because I once refused to name a lot of composite for him, & so vexed him.

I will pay all expenses -

Thanks for the Pteris -

Moore describes a var. crispa of Wollaston, which must be pretty near this form.

Baker never studied the

venation of ferns with any carefulness, & seldom describes venation accurately.

The *Stenoglossum* may be *S. californicum*, may be something else - we must wait for grown specimens.

Very truly yours

Samuel C. Eaton.

New Haven. Nov. 7. 1882

My dear Sir. I beg your pardon for having  
so long detained the copy of Jones' pamphlet,  
and I thank you for that copy you now  
send me. I had entirely forgotten about  
it. I do not know anything of Woodson  
husilla, Fournier, never heard of it before. It  
is not in his *Ferns of Mex. plant. pars prima*.

Yours truly

Daniel C. Eaton





NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

George L. Davenport, Esq.  
& Hamilton place.  
Boston.  
Mass.

This, published in 1824, antedated Presl  
by six years, & so I should write

*Cheilanthes scariosa*, Kaulf. (Enum. Fil. p. 216)

If *Ch. elegans*, *myrsiphylla* & *scariosa* should  
all be put together, I should choose  
the name *C. myrsiphylla*. There is a  
school of naturalists who would choose  
the oldest specific name - in this case  
*scariosa* - I am not of that school, neither  
is Dr. Gray, nor Sir Joseph Hooker. Mr  
Baker is of that school, as his *Davallia*  
*Speluncæ* may be cited to show.  
For the law read Gray. Text Book. ed. 5.  
pages 355-356, especially Dr. Benthams  
note given on p. 356.

I advise you not to meddle with  
*C. scariosa*, as there is yet no  
satisfactory evidence that it has  
been found north of Peru -

Please tell me whether to keep or return your  
nos. 3, 4, & 5. My hand has been very lame.  
the last two weeks & I write with considerable  
difficulty - I fell on an icy walk & hurt my  
hand - Yours very truly J. Eaton

New Haven, Conn.

Feb. 13. 1865

My dear Mr. Davenport;

I thank you for the  
letters you send me, and especially  
for your photograph.

*Ch. Pringlei* is very distinct, having  
the habit of *Ch. Californica* &  
my *Ch. encipolia*, but with a  
stately pond & herbaceous involucre.

It is a long time since I  
have looked particularly at  
the species of *Cheilanthes* of the  
section *Myrsiphylla*, and my  
judgement now would not be  
worth much.

My Peruvian specimens of  
*Ch. scariosa* have the scales  
regularly ciliated & composed  
of straightish cellules. Your plant  
(no 3.) has less regularly ciliated  
scales ~~with~~ which are composed

zig-zag & angular cellules. I should hesitate at placing them together.

The *Ch. lanuginosa*, var *fibrillata* is much less lanuginous than this type, & seems to connect it with your *Ch. Parishii*

4 & 5 I should put in among the forms of what I have called *C. myriophylla*. I do not like to make distinctions so fine that no one will ever recognize them.

As to a question of priority between the names *elegans* & *myriophylla* I have to say that if both names were published simultaneously by Servaux neither could claim precedence over the other, & the fact that one was on page 43 & the other on page 44 would not give 43 any precedence over the other. If both are united then the name chosen by the author who first united them would stand

as against the other.

This was done by Hooker in first edition of *Syn. Fil.* - & we ought to abide by his choice -

In Berlin Mag. (which I have) 1811, p. 328,

*C. elegans* immediately precedes *C. myriophylla*. But I still think that Hooker having chosen the second name, we can not now go back to the first:

Matthew's work on *Andes of Peru* I have not. Presl. Reliq. Haenke, p. 65. has *Ch. scariosa*, Presl.

the date being 1830. I have no means of getting at the exact date of Matthews' work. He died in Peru 24 Nov. 1841.


Hooker published for him the genus *Matthewia* (*Cnicifera*) in 1833.

Kunze, in 1840, rejected the name *Cheil. prismosa*, Matthews M.S. as being antedated by *Ch. prismosa*, Klfs. Kaulfuss published in 1824. This brings the date of any publication by Matthews somewhere between 1824 & 1841, very much later than Swartz & Willdenow.

Kaulfuss died in 1830. At p. 216 of his *Enumeratio* he says: - "*Acrostichum scariosum*, Swartz, a Willdenowio vitiose descriptum, *Ch. tentigerum* hanc absumit, hunc generi [*Cheilanthes*] inferendum puto."

1. The common northern form.
2. The slender Californian form.
3. a long green Cal. & Oregon form,  
var. Sibirica & Kinder
4. var. mutica. DCL. M.S. with  
blunt leaves, from Colorado.
5. var. tortipilis, from East Tennessee.

& perhaps others - They require very  
careful study. This # 141 is  
between nos. 1 & 2 above -

450. Psilotum — The two species  
are sometimes confusing - Runge says  
an absolute distinction is yet to be  
found. Your plant has the stem  
oval in section  & so I suppose  
it to be referred to Ps. complanatum.

Hooker - J. Nuttallii - as nearly as  
I can tell at night - (It is 10 P.M. Saturday)  
The leaves very slender, velum complete,  
macrospores with minute raised points -  
Marsilia macrospora, Al. Braun -

(I wish you could get me some good  
specimens of it - I have very little)

3. Azolla Caroliniana -

This ends the list -

Yours very truly, Daniel C. Eaton

Notes on Mr. Davenport's Ferns.  
Dec. 1885.

443. Pol. thyssanolepis, Al. Br.

466. Notholena Aschenborniana, Klotzsch.

462. N. ferruginea, Hook.

— N. Hookeri, Eaton

452. N. Californica, Eaton in Bulletin  
of Torr. Bot. Club. N. Y. p. 27.

I think you once wrote me that Mr.  
Baker said this was Liebmann's N. cretacea -  
I have never seen any authentic N.  
cretacea, and would not be willing  
to acknowledge the identity till I  
had seen it.

451. N. nivea, Desv.  
a form with small segments.

452 <sup>B</sup> This is identical with  
Palmer's 1389, but being much  
younger as to the fronds, preserves  
the white ceraceous powder on both  
surfaces, which had fallen off in  
Palmer's plant. I do not know what  
to call it - Palmer's 991 has the  
fronds narrowed at the base, & so  
differs from these - Mr Baker noted

in MS. that 991 was a n. sp. &  
he called it *N. Palmeri*. But as it  
was his species I left it to him  
to publish it.

I have no authentic *N. chilensis*.  
but Baker said that 1383 was not  
*N. chilensis*. I leave it for you to  
do what you please with these things.

— *Adiantum Capillus Veneris*, L.

456. *Ad. tricholepis*, Fée.

446. *Pellaea cornifolia*, Link.

448. *P. cordata*, Fée.

typical form

447. *P. aspera*, Baker

449 & 449 1/2 *Cheilanthes microphylla*, Gr.

They do approach *Ch. Albemurensis*,  
but are more cheffy than the  
*Albama* & *Tennessee* plants.

445. *Cheilanthes Wrightii*, Hooker

— *Ch. leucopoda*, Link

I am glad to have such fine specimens

457. *Ch. viscosa*, Link.

— *Ch. Lindheimeri*, Hook

— *Ch. microphylla*, Gr.

444. *Asplenium*— I do not see  
how you can make anything but  
*A. Trichomanes* out of this. One  
can find plenty of specimens with  
oblong pinnae. The radicaunt  
apex is something new. I have  
a form from Chiclas which is  
proliferous from the axils on both  
sides about 2 inches below the  
apex. But a good many *Asplenium*  
have the apex sometimes radicaunt,  
as *A. Brasilense*, *A. rhizophyllum*,  
& others are variously proliferous.

If you call it a var. of *Trichomanes*,  
& give it some suitable name, it will  
do very well.

1. *Lycopodium alpinum*, L.

16. *Selaginella apus*, Spring

14. *S. rupestris*.

This is a slender form. I have  
never separated all my specimens  
into the several varieties. We have  
three or four varieties in the U. S.

New Haven, Conn.

Jan. 28, 1887

My dear Mr. Savenport.

I have not had time  
to look at your things  
till today.

The *Marsilea* seems to be  
*M. Mexicana*, A. Braun, which  
is scarcely distinguishable  
from small forms of *M. vestita*.

The *Polypodium* is the same  
as the smaller specimens  
of Parry & Palmer's # 975.

*P. lanceolatum*, L. perhaps  
rather more densely scaly.

The *Cheilanthes* has a  
rootstock unlike what I

have seen in *C. lanuginosa* -  
but I can see no good  
distinction in the fronds.

Thanks for the specimens.

Yours very truly.

Daniel C. Eaton.

New Haven. Apr. 17. 1887

My dear Mr. Davenport.

Yours of 16th rec'd.

I have not seen Seemann's 1934.  
Steffrer's 937 (in Gray's herbar.) is our *Ch.*  
*Lindheimeri*, a species founded on *Lindheimeri*  
744, which is in Gray's herb. also.

I copy Fee's account of his *Myriopteris*  
*cheilophyphs*. He says the pinnae  
are very glabrous beneath (en dessous)  
& then that the sporangia are buried  
in thick wool! This seems to me  
self-contradictory. Perhaps his  
"en dessous" is a misprint for "en dessus",  
which would mean above - but in  
either case it would not fit with  
*Ch. Lindheimeri*. His length of the  
frond - 11-13 centimetres equals  
4 1/2 to 5 1/4 inches - a very small fern.

I think you might safely afford  
to neglect what Baker wrote you,  
& decide the matter for yourself.

Yours very truly

Sturmiel C. Eaton



Fe'e.

8me Mémoire sur la famille  
des Fougères. [1854-1857]

P. 77.

*Myriopteris*

1. *M. Cheiloglyphys*. F. - La Myrioptéride  
à marges épaisses.

Frondes bipinnées, épaisses, à rhizome  
rampant, couvert d'écailles serrées; à  
pétiole et à rachis robustes, revêtus de poils  
cloisonnés; frondules globuleuses, à nervilles  
en relief et à marges renflées, très-glabres  
en dessous; sporothèces plongés dans  
une laine épaisse.

Mexique, Orizaba, à 2500 mètres d'altitude.  
(W. Schaffner, n° 91.)

Dimensions: longueur, 10-15 centimètres; pinnules,  
11-13 millim.)

Cette jolie espèce, l'une des plus petites  
du genre, a des lobules arrondis, présentant  
des marges épaisses, sur lesquelles les  
nervilles laissent une impression très-  
marquée, qui leur donne une apparence  
réticulée; ces lobules devenus fertiles, sont à peu  
près globuleux. Le rhizome, gros comme une plume de  
hiéron, est recouvert de squamules fortement imbri-  
quées, et traversée par un seul faisceau vascu-  
laire cylindrique."

New Haven, Jan. 3. 1888

My dear Mr. Davenport.

Bringle's no. 1444. seems a little more finely cut than most specimens of *Asplenium pumilum*, and in this respect varies towards *A. montanum* & *A. Adiantum-nigrum*. But I do not know of any American fern other than *A. pumilum* to which to refer it.

1440. *Notholaena Palmeri* - yes.

1441. *N. candida*. yes. pinnae more than usually lobed - as you observed.

1443. *Pellaea Seemannii* - This is where I should place it - but it is more compound than Hooker's original plant. This is the same as Palmer's 732 of 1886.

1445. This you call *Aspidium athyroides* W. & G.

I have no specimen to compare it with, but it seems to agree well enough with Hooker's description of his *N. sphaerocarpon*. It does not look much like Galeott's figure, though it must be said that his figures are very poor.

1446. *Gymnogramme leptophylla*.

yes. seedlings, just coming  
into fruit.

1179. This you call *Phegopteris nptensis*.

It you will look at it again I think  
you will see that the sori are  
elongated - To me it comes  
nearest to *Gymnogramme pilosa*,  
M. & G. It is smaller than their  
figure (Pl. 4. fig 1), but otherwise  
is enough like it. M. & G. say nothing  
about the texture. This frond is thinner  
than that of *G. diplazoides*, to which  
Hooker compares *G. pilosa*.

Thanks for your kind wishes.

We have all been more or less  
out of health, but seem to be  
gaining now.

I have heard nothing from  
Cambridge for a week - I suppose  
they would let me know if Dr. Gray  
showed any improvement.

Yours very truly

J. L. Eaton.

New Haven, Conn.

Jan. 17, 1888.

My dear Mr. Davenport.

I have your letter of yesterday. I am sorry that I can tell you nothing about Seemann's 1934, beyond the reference to Seemann's Botany of the Herald where no. 666 reads thus:—

"666. MYRIOPTERIS Lindheimeri, J.Sm. - Cheilanthes Lindheimeri, Hook. Sp. Fil. vol. ii. p. 101. t. 107 A.  
Sierra Madre (n. 1934)."

I can not give you the no. of the page, as my copy consists of the Ferns only, & is paged separately - this is on p. 4. of my copy.

You will find Botany of H. M. S. Herald at Cambridge.

I know of no other reference to this n. 1934, & I have never seen a specimen of it.

Whether 1934 is *Ch. Lindheimeri*  
or *M. cheiloglyphis*, or both, or  
neither I do not know - but I  
do not think Pringles 827 can  
go with *Ch. Lindheimeri*.

Yours very truly

Daniel C. Eaton.

New Haven. June 16. 1886

My dear Mr Davenport.

I thank you for  
the *Notledaena* and the  
*Marsilia*.

The books I must  
return to you, as I have  
not time to make a  
thorough study of them,  
and of course do not know  
them at right. It would  
take me several days to  
form an opinion in regard  
to them, & even then I might  
be wrong. Yours very truly  
Daniel C. Eaton  
(over)

P.S.

In the preface to Kuhn's publication  
of Mettenius' new ferns. in  
Linnaea xxxv. p. 385. he says  
the ferns are described in the  
manuscripts of Mettenius.

It is therefore useless to  
look for any other original  
than the publication in  
Linnaea. In fact that  
is the original.

New Haven, March 1, 1889

My dear Mr Davenport

The ferns you sent me  
are received -

No. 1833 is manifestly the same  
as Palmer's 405, which I  
called *A. lirsuta* -

Mr. Baker's *A. affinis* I have  
never seen, but from his description,  
& from the fact that he puts it  
next to *A. Bregeana* I think  
it must have the pinnæ not lobed.

No. 2028. *Asplenium pumilum*,  
but not Fee's var. *hymenophyloides*,  
which he says is Algerian.

No. 1414. I should say was not  
*A. pumilum* - but consists of  
very dwarf plants of *A. Mexicanum* No 9,  
now referred to *A. fragrans* - Possibly  
it is a hybrid between the two.

No. 1837. This comes about midway  
between *A. Trichomanes* var. *incision*  
& *A. formosum* - I think you would  
be justified in calling it a n. sp.  
It is as good a sp. as many now in the books.



no. 1844, I think you can safely  
call *Ph. rudis*. Sometimes  
distinctly, say the lower brimae  
are abbreviated. Your pleura  
is rather smooth - but that is  
no great matter.

no. 1982. I do not see why this  
is not Fee's *Phaneroplactia nobilis*,  
which Mr. Baker refers to  
*A. juglandifolium*. Your  
bit of notochord is no more exserting  
than that of *Aspid. spinulosum*.

no. 2831 I have no specimens  
of *Pellaea Skinneri*, but should  
think this might well be  
a form of it. It certainly  
must go in the same genus  
& section with *Pellaea Seemanni*.

When you write to  
Mr. Pimble will you  
ask him if I can have

a set of his ferns. I can  
not afford to take a set  
of the *Phaenogam*s - but  
would be very glad to  
get the ferns -

Yours very truly  
Daniel C. Eaton

March 13. 1890

My dear Mr. Davenport.

I have received from Mr. Pringle a good set of his ferns of 1889. The specimens of the white-powdered *Notholaena* are much larger than the one you sent me; and I now think you are quite right in calling it distinct from *N. Lemmonii*.

Besides the points you speak of I notice that in this plant the edges of the leaves are slightly recurved - indicating a nearer approach to *Cheilanthes* than in *N. Lemmonii*. But I do not find anything like it in *Cheilanthes* (& *Heteropteris*) either.

You have a fine new species here.

Yours very truly

Daniel C. Eaton

South Lyme, Conn.

Aug. 24, 1890

My dear Mr. Davenport.

The address you ask  
for is Townsend S. Brandegee  
California Acad. of Sciences,  
San Francisco  
California.

I wish you could get a  
bit of Prof. Porter's newly  
reported Asplenium fontanum,  
& see what it really is. I  
can not ask for it, nor do  
I wish to have you mention  
my name in the matter.

Glad Pringle is doing well.

Yours very truly

Lewis C. Latham

New Haven. Jan 13. 1891

My dear Mr Davenport.

I have your letter of the  
12<sup>th</sup>, & the specimens.

The *Polypodium* "bifidum"  
is the same as Brönnberg's no.  
9 from Wartenberg, a bit of which  
I send you. This I called *P.*  
*lycopodioides*, & I see that Fournier  
has done the same. The few  
bifid fronds should be regarded  
as a sport, of no more signifi-  
cance than the bifid fronds one  
sometimes sees in *Camptosorus*  
or in many common ferns.

The *Polypodium* with the large  
sori I should call *P. lanceolatum*  
without hesitation. The only  
other thing it might be is

*P. percussum*, & that has  
the sori in pockets, & pinnier  
venation.

I do not think there is  
any *P. elongatum*. Swartz  
had a *Grammitis elongata*,  
which Mettenius called  
*Polypodium elongatum*.

The other *Polypodium* is  
*P. furfuraceum*, Schlecht. which  
I have from five collectors - viz.

Bourgeau, 1439

Gleichenbright. 312

C. Mohr. 31

Palmer (1878-9) 1155

Farlow - (May 1855)

Hooker has not placed it  
near *lepidopterus* to - as it  
seems to have veins always free.

In the *Anemia* I see  
nothing strange. I have  
one with the lower pinnae  
cut into 5 segments on each  
side, & another with the  
lower pinnae - or one lower  
pinna bipinnatifida.

I return the specimens  
as you request.

Yours very truly

Daniel F. Eaton

New Haven. Jan. 17, 1891

My dear Mr. Loomport.

I think the *Pteris* is a sport of *P. longifolia*, but so peculiar that you might give a name & description to it. Christy's to #385, from Chiapas is cheffy in the same way - Even in yours those of the lower pinnae which are simple are shorter than the middle ones.

Yours very truly

Samuel C. Eaton.

The weather is so bad that I can't mail the fern to you till Monday,

New Haven Feb. 24. 1892

My dear Mr Davenport;

I have spent the evening  
over your ferns, & can not be  
sure of any of those you ask me  
about.

The Polypodium I think must be  
new.

X- The Aspidium seems to come  
near to Aspidium amplum, but  
not near enough to call it by that  
name.

3957 $\beta$  I suppose it is an Aspidium,  
in which the indusia have failed,  
as they sometimes do. A. falculatum  
seems the nearest to it.

3957 $\delta$  may be a different condition  
of the same thing - We get  
these large plants in single  
fronds, & have no opportunity  
of judging how much one fern  
may vary. It is the same

way with the *Diplazium*s. One  
can not tell what specific limitations  
are from the specimens sent us.

For the specimens you present  
to me I thank you. they are  
very good specimens.

I do not know anything  
about Mr Baker's new volume.

Neither did I know that Baker  
had revised *Ophioglossum*.

I think you might find out by  
looking through several volumes  
of "Jahrsbericht". Also the Journal  
of Botany - Trimen's, is it not.

Farlow wrote me yesterday  
that there was a slight improve-  
ment in Dr Watson's case - but for  
all that he must be very low.

I am sorry to have to write  
you so disappointing a letter.

Yours very truly

Daniel C. Eaton



New Haven, Conn.

Nov. 18, 1892

My dear Mr. Davenport.

While I do not think it is right to hold the botanists of 75 to 100 years ago up to the present law of conserving the oldest specific name when they transferred a species to some other genus, it is right to hold modern botanists to this rule, unless there is some grave fault in the name, or some fraud in the publication. Especially is this so with those American botanists who recognize "the iron-clad law of priority." The fern in question, as a species has these names.

*Aleuritopteris Schaffneri*, Fournier, 1880.

*Notholaena Nealleyi*, Seaton, June. 1890.

Since you & Mr. Underwood (& most fern-botanists) consider *Aleuritopteris* to be partly a § of *Cheilanthes* & partly a § of *Notholaena*, it is right for either of you to transfer the species to the proper genus. In Garden & Forest you published Mr Underwood's transfer. The name then, by the usual rules, becomes *Notholaena Schaffneri* (Fournier) Underwood.

The addition "var. *Mexicana*" is

Yours - and the whole name for the  
var is

*Notholaena Schaffneri* (Tourn.) Underw.  
var. *Mexicana*, Dav.

I see no chance of disputing  
this conclusion by any one who  
recognizes "the laws of priority",  
laws, for which, by the way,  
in some of their applications I  
have only contempt.

Yours very truly,

Daniel C. Eaton.

P.S. May I send you for report  
& publication some ferns from Newbury,  
Mass. coll. by Reynal Dodge, a probable  
hybrid of *A. marginale* x *cristatum*?

I should leaving naming & all to  
you -

D.C.E.

New Haven, Conn.

Nov. 25, 1892

My dear Mr. Davenport.

I send the forms by express, with tickets merely to show what I think they are.

I enclose Reynal Dodge's letters. I have written him that I send you the specimens, and that you "will give them a more thorough study than I should have time for" I have kept a set for myself.

There is already a nephroodium Etoria of Hooker - so you can't name the thing for me. If you choose to gratify Mr. Dodge you will please him greatly, & be more complaisant than I should be - for I think these compliments are far too common,

& that they should be reserved  
for botanists of some distinction.  
all the *Smithii*, *Brownii*, *Jonesii*  
*Robinsonii*, *Hoggii*, *Pipii*. etc. etc.  
heartily disgust me, and I will  
have no more of them published  
under my authority.

But you are at free to  
do what you will with  
these forms as you would be  
had you found them in your  
own Meaford woods.

Yours very truly

Samuel C. Eaton

New Haven. Dec. 9. 1892

My dear Mr Davenport.

There are several ways  
of writing the names of hybrids.  
Engelmann, in a paper on oaks  
write, *Q. falcato-cinerea*  
*Q. imbricaria-nigra*, etc.  
Watson, in Gray's Manual 6th edition,  
write *Q. alba x macrocarpa*  
*Q. Phellos x nigra* - etc.

You will find a review of the  
subject in Gray's Structural Botany,  
but, as I have not a copy by me,  
I can not refer you to the page,  
nor do I remember exactly what  
Gray's conclusions were.

Neither do I remember which  
parent-name should come first

If you follow Engelmann you would  
write either { *A. marginali-cristatum*  
or *A. cristato-marginali*

If you follow Watson, you would write  
either { *A. marginale* x *cristatum*  
or *A. cristatum* x *marginale*.

But you would do best to  
read Gray's essay, & follow  
his advice, whatever it is.

Yours very truly

Daniel F. Eaton

New Haven. March 3. 1893

My dear Mr Davenport.

I think the Polypodium  
is *P. pilosissimum* - M. & G.

In Lym. Fil. Ed. 1. p. 332. no. 177. *P. ferrugineum* M. & B. is referred to *P. taxifolium*. I have not seen Liebmann's specimen, but in Fournier's Account of Mexican Ferns it is referred to var *γ. minus* of *P. nigrescens* Bory, a name he prefers to *P. pilosissimum*. What Hooker & Baker consider *B. nigrescens* is quite a different thing.

The *Asplenium* I can not match, & I do not see anything like it referred to by Fournier. I think it will do for you to call it new, & to give it a name. Thanks for the specimens.

Yours very Truly

Daniel C. Eaton

New Haven. Sept. 17. 1894

My dear Mr. Davenport.

I thank you for your fine series of specimens of your new fern, which I have just been looking over with pleasure. I think your choice of a name is very good.

I have read your MS carefully, but must say that I do not see the use of making so long a story of it. You can not convince Britton, Underwood & Co., and the former is bright enough to make some pretty severe criticisms of your argument.

I should have contented myself with saying that as Swartz was the first writer to reduce fern-genera to any kind of order, it seems reasonable to keep his names & not try to find earlier names given



by people who knew very little  
of the subject. Swartz first used the  
name *Aspidium* for the whole genus,  
nearly as we now understand it,  
& I am content to follow him.

Persons who prefer to divide  
*Aspidium* into two genera may  
use either *Nephrodium*, *Eryopteris*  
or *Lastrea* for the *Aspidia* with  
reniform indusia, and for such  
persons you can provide the  
names of

*Nephrodium simulatum*  
*Eryopteris simulata*  
+ *Lastrea simulata* -

Simply add them as synonyms  
under your chosen name, "provided"  
for the use of persons who reject *Aspidium*."

If you print your essay  
you will get into a disagreeable  
quarrel with somebody or other.

I think it more dignified to simply  
say that you do not recognize  
the authority of the makers of  
the Rochester or Madison codes, and  
refuse to be bound by them -

However - you will do just  
as you please about it.

I think the New Haven "*cristatum, var*"  
must be from a plant I found in October 1855  
near our Serpentine quarry - I remember  
being puzzled with it, & thinking that  
it looked a little like *D. Filix-mas*.  
Do you consider it the same as your  
hybrid *cristatum* x *marginale*?

I think the station has been flooded  
now for many years; but possibly the  
same form might still be found in  
the vicinity.

Yours very truly  
Daniel C. Eaton.

New Haven. March 5. 1896

My dear Mr. Davenport.

You had not tied up  
your package quite carefully  
enough, & it came to me with  
the string displaced & the ferns  
ready to drop out.

The Hemionitis I can not find  
described anywhere, & think  
it is a good new species.

The Pellaea is the same as  
Palmer's #543 of the year 1886,  
which I doubtfully referred to  
P. cordata in Proc. Am. Acad. ~~XXII~~. p. 463.  
But it now looks like a good  
& independent species.

The Notholaena I can find  
nothing in to separate it from  
N. Lemmonii, nor do I see  
anything in the Cheilanthes  
but good C. tomentosa.

I will ask Pringle if he can  
share me a set of the ferns -  
If so I can decline your  
very kind offer to share  
your set with me -

I have been pretty well  
this winter, & am sorry you  
are not able to see the  
same for yourself.

I return the ferns -

Yours very truly

Samuel C. Eaton

With renewed thanks  
for your sympathy,  
I am

yours sincerely  
Caroline K. Eaton.

Mr. George E. Sampson,  
Dear Sir,

I was much interested in the article  
you sent me, and  
thank you for the very  
kindly sentiments which  
my husband expressed  
in that and in your  
kind letter.

The only error I find  
in the sketch is the  
pretty legend about the  
young lady and the  
ferns. It certainly was  
not I, as I was then  
a little child, and  
did not make my  
husband's acquaintance  
until he was Professor  
of Botany in Yale

University.

You must have  
taken great pains in  
preparing the article.  
We have only such a  
slight error in it.

I regret to hear  
that you have not  
been well and hope  
that by this time  
you will have recovered.

Watrick Jan 25 1873

Mr G E Davenport

Thanks for the Asplenium  
Surrection, I am glad to add  
it to my collection. I have  
never seen it about any  
of my Searchings for ferns.  
If I ever get out another list  
as I hope to that I may correct  
several errors. I will insert it  
and credit it to you. and another  
Season I should like more of it.

I wish I had more of the ferns  
you ask for but will remember  
you when I receive more. I sent  
you a paper yesterday, contains  
several vars. We all like a stock  
of duplicates, as I have just had

quite a supply of *Nasturtium*  
ferns I share some of them  
with you. My *Aspl. Cristata*  
is far from the perfect ones  
which were forked with 5 to 7 lobes  
at the end of each pinna. You can  
see a photograph of a fertile &  
sterile frond at the ~~Herbarium~~  
Library. And <sup>a spec.</sup> ~~one~~ in Prof Gray's  
Collection. The fronds were all  
crested the same as the spec  
sent at the spec. I hope this summer  
to get new spec. I think I have  
*Woodsea glabella* somewhere among  
my duplicates but could not find  
it. Think Mr E H Hitchings & O  
Chambers <sup>Proctor</sup> St. Louis give you *Oncola*  
*var. obtusilobata*. I have but single  
spec of *Trichomanes radicans* and  
*Aspl. myriophyllum* and those I got  
within a week. The last named had  
been in the hands of a Miss Smith  
a collector in Watthan for several

years, was collected in Fla. I obtained it  
by giving her half a doz new varieties to  
her. I have now about 100 pairs of American  
ferns. which I should be pleased to  
show you at my store.

Truly Yours  
J. M. Edwards

25  
J. Kautsk Sept 12 1873

Mr Geo E Davenport

Dear Sir

Thanks for remembering me. I hope the enclosed *P. Phyllitidis* & *Woodwardia radicans* will prove acceptable.

You have no duplicates that I am in want of, but if you will part with *Ophioglossum bulbosum* I will give you in exchange *Asplen. septentrionale*, and *Pteris longifolia*.

I am expecting, this fall a stock of California ferns, also more from Fla. and may have duplicates. Glad to know that you keep up your interest in collecting.



ting ferns. hope to call on  
you soon

Truly Yours

Wm Edwards

I mail with this a pkg  
containing ferns & Catalogues

I Natick Jan 6 1874

Mr J E Davenport

I recd your pkg of ferns  
and return many thanks,  
The spec were very fine  
and gives me some good  
duplicates, besides filling up  
my own Coll<sup>n</sup>.

Having recd. a pkg from  
Ill. I enclose a few which  
may please you. as duplicates  
I shall be in Boston tomorrow  
and if I have time, shall  
deliver these

Y<sup>r</sup>  
Crdly yours

P.S

J M Edwards

The Pellaea ~~Barclayi~~<sup>Barclayi</sup>, Cheilanthes gracillima  
were from H & Bolander Col. the Woodwardia  
Hyperborea. Hab Lake Superior. Ligt Mr Macoon

I Natick Mch 14 1874  
G E Davenport

Dear Sir

I should have called upon you  
a few days ago when in the  
city had I time. I am glad  
to know that you have been  
successful in getting ferns  
from California. & if you will  
hold them till I am again in  
B I will call for them from  
your room. I am preparing  
for a new picture next fall  
by getting hold of all the small  
vars possible. Received from  
our friend Mr Hitchcock last  
week, the small spec of *Chilanthium*  
*Californiae*. Should like another  
for my herb. I also recd from  
Prof Eaton - *Cystopteris montanum*

a most beautiful little fern  
and *Asplenium Braddleyi*.

I will give you a single frond of the  
last named if you haven't it  
& I recd a third order to day  
from Miss Haskell of Vassar College  
for my fern picture making 12  
in all. She is an enthusiast  
over ferns, and says in her note

"I think them very valuable as  
a study and they supply to my  
students the new & scarce rare ones  
many of which it is almost im-  
possible to obtain I wish each one  
might have a copy they are also  
very attractive"

I have had no answer from  
my <sup>Mr</sup> Gla man yet. am looking  
every day for it. I recd a letter  
from Mrs Roy a few days ago  
who is in great want of Mosses  
& lichens & fungi. I shall make

some exchanges with her in that  
line, and in ferns

Why dont you take hold of the  
Mosses? they are fully as interesting  
as the ferns, and now there  
is so few that are interested  
in them. by & by when this fern  
fever has had it run, the lovers  
of them will not remain idle  
but will switch off on the lichens  
& Mosses, and if you begin now  
you will perhaps get a good start  
and take the lead - try it & you  
will not be sorry.

The Alga too would give you  
a world of pleasure, there is nothing  
more beautiful when well  
mounted.

Yours Truly

Wm Edwards

I Salick April 8 1874

Mr J E Davenport

Dear Sir

You are very kind & liberal to thus remember me in your success. I am very glad to get your drawings which are remarkably good.

I have done the best I could in sending you a few bars of ferns viz

No 1 *Blechnum serrulatum* -

Coll by H L Babcock in S America <sup>1873</sup>

No 2 two pinnales of *Aciroblechnum aurium*. No 3 (Not S American)

*Polypodium lineatum* - I send this to show the beautiful vening -

504 *Xephrolipens spatulata*  
all three from the same source.  
I had promised a pinule of  
*Acrostichum aurium* to Mr  
Hitchings, and you may  
take your choice and give  
the other to him. possibly  
I have sent him one if so you  
keep both. I cannot take  
any more from my already  
skilitor of a friend. Now  
*I radicans* is the best print  
of any of the American ones  
that I have ever seen.

and I thank you a thousand  
times for it. I shall very soon  
get out a new photograph, as  
I have already orders ahead.  
I saw an engraver the day  
I saw you, about engraving  
a large picture of ferns  
with some 75 vars. it  
would not cost much more

to have them engraved for  
a book. Can't we fern lovers  
form a club and publish  
a fern book? I presume Prof  
Eaton would either assist us  
or join the club -

I hope to see you soon  
and talk over matters

I Enclose a letter from  
the widow of the fern  
collector in Florida.  
What had I better do with  
her about collecting?

In haste

Truly Yours  
J. M. Edwards

S. Stalick Nov 11 1974

Mr G E Davenport

Dear Sir

You are very successful in collecting rare ferns and very liberal and kind to offer to help in filling up my catalogue.

If you <sup>have</sup> any checked in this catalogue to spare and will risk getting a return for them rare ones I should be most happy to receive them.

I have rec'd so many calls for another edition of fern pictures that I shall get one out for Christmas with 50 or more pairs.

and small perfect fronds  
of any of the *Chilanthis* or  
rare ferns would be very accept-  
able. I should like a painted  
frond of *Chelone Adiantum chilense*.

I shall commence to make the  
negative next Monday. Prof  
Eaton has given me Aspl  
Bradleyi and a beautiful frond  
of *Cystopteris montana* for it

Have you ever seen Mr  
Merrills (400 Broadway Cambridge)  
*Noto sennata*, if so is it  
true to the name? It is one  
of the most beautiful of  
American ferns, if this is it,  
and you can get a spec of  
him. I was at his house  
last week and was delighted  
with his collection of  
American ferns which he  
is cultivating.

I had the good fortune  
to receive 120 var of  
African ferns last month  
many in duplicates, and will  
repay you in those if  
you care for them.

Truly Yours  
Wm. Edwards



1 April 1878

My Dear friend

Dear Sir

I promise Mr W F Durant  
several years ago, when he first  
began work on the Willoughby  
College, that it would furnish a  
set of the American ferns, and  
have mounted them checked  
on the enclosed list. Some  
of them come from you  
and I have credited them to  
you on my labels (not having yours)

If you can furnish any of  
the ferns not checked I will  
mount them for the College with  
your labels if you will send them.

You did a generous deed when  
you presented your most valuable  
collection to the Hort Society

in the middle of the  
letter - I have now the  
satisfaction of knowing they came  
in name (I will take off any  
other value), and as the name  
on them was very unlike  
any of my Indian or African  
birds I could name but a few  
of them. One *Ophiochlamys*  
struck me as a very curious form  
in having a palmated foot. And  
when the Brit. Bulletin came  
the other day describing a  
palmaria - I remembered this  
and thus I have the name from  
not having seen it then. I send  
it. Calling on this paper, the  
palmaria seems to grow  
near the water - the bird is  
attached to it with its feet -  
in the fruit.

I am soon to get out a new  
Catalogue - (4th edition) any suggestions

any suggestions or corrections  
will be most welcome.  
And any corrections in my list, that  
you know of, please notice.

Very Yours

J. Edward

Many thanks for the rare  
feathers. They came safely  
and I am very glad  
to hear of them.  
I have not yet seen them.  
I am very glad to hear  
you shall have the first  
chance, I am very  
happy to hear of them.  
The first chance  
is not yet taken and some  
before me. We have  
outgrown our rooms  
and getting larger -  
we are going to have  
a new place - they are to be  
sent to the British Museum.

1000

1882

Shall be most happy to see you,  
at any time, & you - collect & arrange  
them?

*[Faint handwritten notes]*

about 10 decm. by 9 10 11  
 with wood for all the sides. It is  
 certain. Some of which are new  
 and valuable. You have been  
 a most successful student of fine  
 art. I think rare life as it is the  
 very thanks for the beautiful paper  
 which contain your interest  
 which on the other side  
 it says now I visit a sick  
 sister on the 21, but you shall  
 not be disappointed in seeing the  
 form which I send in a pkg  
 and you may keep it till I  
 send you the college pkg  
 I also enclose another not post-  
 marked for the Hook Collection -

I shall  
 write to my friend in the San Francisco  
 Standard, Mr. J. J. Haddock  
 who is much interested in the  
 subject, and has seen his wife  
 that I put them all on hand also  
 as other species of a shiny, bell form  
 can you see it. I fully agree  
 with you about variegation, and  
 wish they could be rather made  
 species or dropped. I often see  
 variegation may be found growing on  
 the same root with the normal  
 form - and should be dropped. As I  
 think ~~the~~ ~~not complete~~ I shall  
 leave off Aspl. var cristata, as the  
 roots have been carried off so that  
 I do not know where small ones

The General, however, is a  
 somewhat reserved man, and  
 I want his approval of my book.  
 He writes that we hope to see  
 the book in a week or two. As  
 far as I know, I have to select  
 from some ten or twelve years ago.  
 Miss Shattuck had that specimen  
 was the only person that could find  
 to exchange with, and when I published  
 my first Catalogue of birds, <sup>in 1869</sup> she  
 wrote that she had never heard  
 of one half of them. Since then  
 only think what an advantage  
 in the whole botanical world.  
 I hope your wife will soon be able

Com. Ladus (fern leaves) from  
W Newton told me today that  
J Robinson was going out a week  
on N. American - *feras*. is it  
true?

I Natick Feb. 29 1876

My Dear Mr Davenport

My new Catalogue is ready for  
the printer. Have sent it to Prof Eaton  
and he has corrected it. He crossed  
*var Spectabilis*. said he knew nothing  
of *A. Filix-ferum* var *Cristata*  
but did not cross it. Hadn't I better do?  
He says *Ch viscosa* is *Leucopoda* <sup>Little</sup>  
Knows of no one who has found  
typical *B. ternatum* in Mass -  
He added several stars making  
54 sps peculiar to N. American  
Redfield in Bot Bulletin of Jan  
1875 gives 69. a bad mistake.  
Prof Eaton was very kind & cordial  
in his remarks and in answer  
to a wish to use his name

says. That I may say. "With some  
corrections by Prof D C Eaton. I  
wanted to say corrected by D C Eaton  
He has given direction just where  
to place the new species. So that  
on the whole my 4th Edition will  
be the most satisfactory of all.

My little was known about ferns  
8 yrs ago when I got out my first  
Even Miss L W Chatteruck said  
in looking it over, "why I did not  
know there was half as many in  
N. America. She had like most  
fern collectors at that time, known  
only Woods & Grass Botany."

The thousands of these catalogs that  
have gone over the continent have  
done something toward the greater  
love for ferns. And, <sup>as</sup> I told Prof Eaton  
had prepared the way for his  
coming fern book. I sent you  
yesterday a paper read by  
me on, Rare Birds, I have

known and studied the Birds  
for 40 yrs. and ferns but ten.

I think of having a lot of  
labels printed for wrappers  
with the Generic names in  
large type. This

Notes  
*Polypodium*

in a neat border it seems  
what everybody would want a  
set of, don't you think so?

Prof Eaton did not answer  
my question - "If he had known  
of *Epipedium grandifolium* - being found  
in Mass." I asked the same  
a year ago and he said no

in haste Truly yours  
Jas E. Edwards

Brigham  
from the Loc. Can you tell  
me what he has been doing,  
I have often called on him  
about ferns and found him  
very polite and entertaining and  
am sorry to hear of any reflections  
on his character. I think it is  
rare that a Naturalist does anything  
bad, their love for nature keeps them  
in love and fear of the Divine  
giver.

Truly Yours

J. M. Edwards

1876 May 27 1876

Mr Geo O Darnsperg  
Dear Sir

Many thanks for the beautiful  
spec. of *Chionochloa Californica*  
recd yesterday. They are the  
finest that I have ever seen

You will see on my catalogue  
of 1874, that I then added *S. Californica*  
to the Habitat of *S. Wendlandii*. I could  
not now give my Authority without  
going over all the grounds of that year,  
but am sure that it came from  
Prof Eaton or from the Bot. Bulletin.  
When my Press. for the last was ready  
I sent it to Prof Eaton, and to "S. Californica  
of Arizona" he added "Cal". Had I noticed  
how it read viz "S. Cal. Arizona, Cal."  
before it was printed I should have changed

That Californian would not have  
been repeated. Prof Eaton erased  
many Habatat's when he was not done  
and as he did not ~~to~~ erase  
I Cal. of this species & conclude it is  
right. About H. George's. My  
N.S. read. "H. George's Hab & Cal.  
1874" to which Prof Eaton added  
I Cal. 1886. & I have an impression  
that I saw such a notice in the  
Bot Bulletin within three or four months.  
He erased *Osmantha* var *Spicetabulis*  
& *Hopl* var *Cristata*. and *Mass*  
from *H. spinulosum* and *B. tenuis*  
which seemed queer after admitting  
to you what you told me.

Ferns are growing finely this yr  
the O Claytoniana ~~the~~ many of  
them ready to press now. and  
I saw *B. matricarrefolium* 5 in  
high on Thursday. You will see  
by our desiderata that we are short  
of a good many species

How did you get hold of the *Anemone*?  
Can you get them for me.

I enjoyed your papers upon  
ferns very much. Your descriptions  
Powers are excellent, and show  
a thorough knowledge of your  
subject - Prof Eaton could not do  
better. In my humble opinion  
you stand next to Eaton as authority  
on the ferns of our country.  
Keep on my friend and you  
may yet win the race. My  
sympathy is with those that  
work and study.

My ~~article~~ paper on birds I sent  
you, directed the same as I  
direct your letters. I would  
send another if I had it.  
I recd a circular some weeks  
ago from the Boston Bot Hist  
Soc. of wh I am a member  
calling for a meeting, to consider  
the question of expelling. W.D.



1 Notick Jan 19 1877  
Mr G E Lavenport  
My Dear Sir

Your Postal is at hand, am  
glad you have arranged to keep  
the rarer ones. Do you mean  
100 species, by the "100 Specimens"  
if so it is remarkably cheap,  
and should find a ready market  
Mrs Rust sent an order for  
checklists yesterday and asked  
me if I knew where she  
could buy some rare ferns  
which she wanted. She would  
not want the common ones  
but you could get 15c each for  
any kind she wants. I have  
not heard from Vassar for two  
yrs. I made some exchanges then  
with Miss C C Haskell.

and you had better address  
her. The Wellesley College is  
not yet far enough advanced  
in Botany to find customers  
among its students. Have you  
ever corresponded with Miss  
Lydia Shattuck at Holyoke  
Seminary. She is the principal  
Botany teacher there, and  
has always fixed a love for  
ferns in her students. Try  
her. You will never hear  
from Baker, unless you go  
to see him. You will find  
him between "8 & 12 at "Hot  
Gardens" West St.

I recd a pkg of ferns  
from China last week.  
Among them *Chelanthus argentea*  
I enclose a spec for you  
and one for your coll at  
the Hort Rooms

I recd four spec  
with a dozen duplicates each  
the postage was \$1.00 I will  
sell sets of the four for 25 cts  
I think the *Chelanthus* worth that  
What was the little *Adiantum*—  
that you showed me from China  
named. I have an impression  
that it was *A. Candata*. I sent  
mine to Prof Eaton and he  
named that one *A. Capillus*  
*funosia*. Can you tell me  
of any one who has *Gotthe*  
*dealbata*. that I could exchange  
this *argentea* for. Tell Mr Hitchcock  
I shall keep a spec for him  
I will help you all I can to  
dispose of your ferns

Tracy Jones  
W. Edwards,

I don't think there is any regular  
size for cards to mount Algae  
I get them cut (10 Bromfield St)  
in three sizes.  $\frac{1}{2}$  should be  $3\frac{1}{2}$   
by 5 inches.  $\frac{1}{3}$  -  $4\frac{1}{2}$  by 6 and  
the balance 5 by 7 - Card  
about the thickness of a postal  
card is good. I gave a lot  
of cards to a lady who was  
going to Etzinger's school at  
Puncheon two yrs ago. They  
were so well liked by coll-  
ectors of Algae that large  
orders were sent for the same.  
I am very very sorry for the  
misfortune which compels the  
sale of your herb. It seems  
harder than my fire, and I  
thought too hard even, &.  
If you go, please allow me  
to help you in gathering another.  
Such a lover for science, should  
be a fortune to a man instead  
of impoverishing him.  
Yours very truly J. Edwards



WRITE THE ADDRESS ON THIS SIDE - THE MESSAGE ON THE OTHER



Geo. B. (J. Greenport  
8 Humilton Place  
Boston

Mass



I think it is not at all  
 surprising that the British  
 people are so friendly  
 to this country. They see,  
 I am sure, the progress of  
 civilization in the  
 United States. They see that  
 the people are free and  
 happy. They see that the  
 government is honest and  
 just. They see that the  
 people are united and  
 brave. They see that the  
 people are the best of  
 men. They see that the  
 people are the best of  
 men.

I have been thinking of you  
 and wondering how you are getting on.  
 I hope you are well and happy.  
 I have been very busy lately,  
 but I have managed to find some time  
 to write you. I have been thinking  
 of you very much and wondering  
 how you are getting on. I hope  
 you are well and happy. I have  
 been very busy lately, but I have  
 managed to find some time to write  
 you. I have been thinking of you  
 very much and wondering how you  
 are getting on. I hope you are well  
 and happy. I have been very busy  
 lately, but I have managed to find  
 some time to write you. I have  
 been thinking of you very much and  
 wondering how you are getting on.

As you have not demanded that paper I will  
send another, this being the one I told  
you I did not believe it to be a genuine  
copy of the original.

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1. G. 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[illegible]







Many, in the world, are the  
one who is in the world, but not  
a person, and it is not a person  
the best to do, it is not a person  
it is not a person.

Love Truly,

W. F. Edwards

I Satish Apr 22 1874

Prof Geo O Loomis  
Wash D C

I am at work on my new Catalogue and with your consent will adopt the nomenclature and arrangement of yours. I like the cutting off of so many variations and of the making new species of *A spinulosum* - var *intermedius*, *Boottii* &c wh should have been done long ago.

Yours will be looked upon as a catalogue for authority and mine as one of convenience in naming Exchanges. Hence I have thought it might be convenient to postpone to retain *O sensibilis* var *obtusilobata* & *C cinnamomea* var *frondosus*, as they are often called for & Exchanged. Still I fully approve of the manner in wh you have placed them. As my Catalogue goes all over the country, I will if you wish, insert a line or two something like this, For a more extended Catalogue

of N American ferns, see Prof Geo E Davenport's  
and excellent  
New Catalogue, price 50 cts. Or you may word  
the time to suit yourself.

Truly Yours  
Wm. D. Davenport

We are now mounting and  
remounting the Robbins. Herbarium  
and find many duplicates. If  
you are collecting outside of your  
County, there may be of value  
to your Club. Dr R's collection  
is very extensive particularly in  
Water plants. He was the worlds  
Authority on the Potamogeton. &  
wh there is many duplicates, and  
as they are a very hard class of  
plants they are in demand.  
Mr Morong of Ashland has  
them in charge. and is arranging  
for distribution. Your Club  
should have a set. and if you  
have not already made application  
for one do so immediately. Our friend  
J Higginson knows Mr Morong. They  
are free to all as far as they go.  
I should like to see you. seldom  
come to Boston in three days  
Yours Truly Wm Edwards



WRITE THE ADDRESS ON THIS SIDE - THE MESSAGE ON THE OTHER



Mr Geo E Sampson

New York

Mass

Thanks for your Catalogue -  
like it very much, for  
it is full of information.  
Think you are getting ahead  
of Prof Eaton is a careful  
observer and <sup>very</sup> faculty of giving  
a complete description of your  
studies. I am going to work  
on my new Check list,  
and it will show many  
new species obtained through  
unfailing efforts. I have  
during the winter spent much  
time with my new microscope  
particularly on the simplest,  
forms of vegetable life - very  
the Euglenoids. If you have  
no one in your Botanical Club  
that has given their attention to  
this branch I would come in  
July after the Boston School is over,  
come and see them an Exhibition  
of these singular forms of life.  
I shall be very busy till July. I shall  
have a class in Lapidary at the  
College, Normal School at Framingham  
and the High School in Watertown. Besides  
collecting flowers for the Boston School  
Say & your W Edwards





WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER



Wm. C. & S. Greenleaf  
of Hampton Beach  
Boston  
Mass

var., obliquum and dissectum  
but should like a complete set  
of the varieties, if possible so  
to have something to work by.

I will send a bundle of ferns  
among the other plants.

If you can recommend  
any good collectors for the  
exchange of rare ferns of  
N. A. and particularly  
of Gray's Manual, I should  
be very much gratified.

Yours truly,  
H. W. Eggleston

Address

H. W. Eggleston  
Rutland, Vt.

#12 Woodstock Ave.

7  
Rutland, Vt. <sup>Oct</sup> ~~Sept~~ 7<sup>th</sup> /93

Geo. E. Davenport

Dear Sir,

I have a collection  
of Smuggler's Notch ferns  
which I would like to  
have you look over also a  
few others.

*Hoodia hyperborea*, *glabella*  
and *thunbergii* are my prin-  
cipal troubles. I have  
given them some careful  
study but should like your  
opinion before sending  
them out. After seeing  
Pringle's *hyperborea* from  
the Notch I find that one  
has to be very careful in

the determination.

I also have some *Hillbushia* collected by Mt. Hoodia collected by J. W. Condon and H. H. Jesup which I have a good deal of faith in declaring as hyperborea although they are marked glabella.

I have made three very successful trips to Smuggler's Notch this summer one early in June, then the last of July and the last of August. I found *Asplenium viride*, *Pellaea gracilis*, and on my last trip *Aspidium fragrans*. Pingle did not think I would be able to find either fragrans or hyperborea and they are rare but I found hyperborea on two trips.

Prof. Perkins of the U. S. M. and the Rev. J. B. Bates

who have camped and explored in the Notch a good deal have neither one found fragrans so I think I am extremely fortunate.

I also found a *Lycopodium* both in the Notch and at Johnson, Vt. which I think other botanists have mistaken for *L. Selago* but which I think must be distinct enough for either a new variety or species.

Do you do special work upon this genus? if not can you direct me to the proper authority?

Can you furnish me with plants showing the different varieties of *Botrychium ternatum* or tell me where I can find them, I think I know

Rutland, Vt., Nov. 12<sup>th</sup> 1913.  
Geo. C. Davisport.

Dear Sir,

I have made several trips to Smuggler's Notch this summer and have got quite a collection of ferns.

I have found plenty of *Asplenium viride* and *Woodsia glabella* also *Woodsia hyperborea* and *Aspidium fragrans*.

Part of my *hyperborea* I am sure of and a good deal more I think is right judging from the plants Pringle has shown me and what he has told me about it. But Pringle said he after he had looked his plants all over he sent them to you

for acrification and I should like to do the same.

There will be quite a lot of odds and ends of the more common ferns that I shall want to send also.

~~When you~~ Do you do special work upon the Lycopodiums? I have found a Lycopodium in the Notch that I think is at least a variety of Selago if not a new species.

If you do not care to look at the Lycopodiums I will send them to Prof. Robinson.

Yours truly,  
H. W. Eggleston.

I should like to do a little exchanging with you but I presume the exchange would be entirely one sided.

I put in a few of my blank labels so that if there was anything in the lot you wanted you could label.

Hoping this package will not bother you too much I remain

Yours truly  
H. W. Eggleston

~~H. W.~~

Address #1/2 Woodstock Pk.

Putland, N. H. Nov 23 '93

Geo. E. Davenport,  
Dear Sir,

Your letter received but have been so very busy had no time to send plants but sent them today.

I send you a few sheets of *Asplenium viride* and a sheet of *Aspidium fragrans* which I expect you to keep if you like. If you want some of the *Woodsia glabella* also you may have it. Some of the sheets I marked *Woodsia hyperborea* I should not if I had not thought they resembled specimens I saw in Pringle's herbarium.

The hyperborea and the  
*Aspidium fragrans* is very rarely  
found in Smuggler's Notch.  
Prof. Perkins and the Rev. J. W.  
Bates who have camped there  
a good many vacations have  
never found the ~~fragrans~~ and  
told me I would find neither  
that or the hyperborea.

I send quite a number of  
sheets from my herbarium  
for identification as a wrong  
specimen is worse than nothing.

My *Botrychium ternatum*  
is quite a jumble as I practi-  
cally know nothing about it.

I should like to get specimens  
of all of the varieties if possi-  
ble. I can send you some  
nice *Botrychium simplex* if  
you would like.

I got myself in a big muddle  
over *Aspidium Boothii* and

*cristatum* var. *Clintonianum*.

I got a lot of ponds from  
one of Pringle's Bootlin stations  
and stopped to see President  
Brainard on the way home  
showing <sup>one</sup> sheet to him which  
he pronounced *Boothii*. Today  
after studying out the differ-  
ences I find I must have  
about half and half *Boothii*  
and var. *Clintonianum* and  
I have sent them all to you.

I don't care to send Sand-  
berg a mixture of hash but  
I guess I shall know the  
difference between typical  
specimens hereafter.

My *Lycopodium* I suppose  
must be *Selego* but it looks  
enough different growing to  
be a good variety of it, and  
grows in an entirely different  
situation.

THE INTERNATIONAL ANNUAL  
OF  
ANTHONY'S PHOTOGRAPHIC BULLETIN.

EDITORS:  
ARTHUR H. ELLIOTT, Ph. D., F.C.S., New York.  
W. JEROME HARRISON, F.G.S., Birmingham, Eng.  
W. I. SCANDLIN, Associate Editor.

OFFICE  
591 BROADWAY, NEW YORK.

March 4, 1891

Mr. Geo. E. Davisport

Dear Sir:

Thanks for yours of 2<sup>nd</sup>  
with 2 article and prints. We regret that  
matters have gone so far in the publication  
that your sub notes cannot be put with  
the original article. If you care to arrange  
them with a title and put them in form  
for a second article, we shall be pleased  
to have you do so and we will give them a  
place, further on in the volume.

The Collection of prints are most inter-  
esting - please accept our thanks -

We hold you over, waiting your  
instructions  
Yours truly

Arthur H. Elliott  
by W. I. Scandlin.



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W. I. SCANDLIN, Associate Editor.

OFFICE  
591 BROADWAY, NEW YORK.

March 9, 1891

Mr. Geo. E. Davis

Dear Sir-

It hardly seems possible  
to utilize the sub-note sent, as it refers so  
entirely to your main article and it is too  
late to use it as a part of that.

We regret, not having had it earlier  
so that we could have used it in connection  
with the first paper

Yours very truly

Arthur H. Elliott

By W. I. Scandlin

2 Hillhouse Av.  
New Haven, Conn.,

Jan. 27, 1896.

Mr. George E Davenport,

Dear Sir:-

About two months ago Mrs. Merrell sent the enclosed fern to Professor Eaton for determination. Mr. George F. Eaton asked me to answer her letter; and, as my knowledge of western ferns is very incomplete, I wrote asking her if she would not rather have me forward the specimen to you than accept my doubtful determination. The enclosed letter is in answer. I trust that I have not imposed

too much upon your kindness in  
this matter; if at any time I  
can render you any service,  
I would be extremely glad to  
do so.

Very sincerely yours,  
Alexander W. Evans.

Small *Notholaena sinuata*